

HMIS CODES	Н	2
------------	---	---

F 3



PH

PPE B

Multichem Limited Premium Permanent Ink (PP 120 and PP140 Series) All Colours

Safety Data Sheet

(Prepared according to 91/155/EEC)

Emergency Telephone Number (24Hrs) +44 7887 612787

1.0	Identification of the Substance / Preparation and of the company / undertaking					
1.1	Product Name	Premium Permanent Ink (PP 120 and PP140 Series)				
1.2	Intended use	Marking ink for use in writing instruments				
1.3	Supplier / Manufacturer Address	Multichem Limited Tyne Mills Industrial Estate Hexham Northumberland England NE46 1XL				
1.4	24Hr Emergency Tel: Daytime Tel:	+44 7887 612787 +44 1434 606 085				
	Fax Number	+44 1434 601 804				
	e-mail	mail@multiche	em.net			
2.0	Hazards Identification					
2.1	Preparation Classification	 This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations as amended. This preparation requires a Safety Data Sheet in accordance with 91/155/EC as amended. Additional information relating to health and environmental hazards can be found in Sections 11 and 12 of this Safety Data Sheet. 				
2.2	Danger Symbols:	F, Xi				
2.3	Phrases –R–	R11, R41, R67	7			
2.4	Danger Identification	HIGHLY FLAMMABLE. RISK OF SERIOUS DAMAGE TO EYES. VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.				
3.0	Composition / Information	on On Ingredie	nts			
Contai	ins:	EINECS	CAS	Conc'n %	Symbols	R-phrases
	loxypropan-2-ol hoxy-2-Propanol)	203-539-1	107-98-2	30 to 60%	F	R10
n-Prop	anol (Propan-1-ol)	200-746-9	71-23-8	Up to 30%	F, Xi	R11, R41, R67
Solven	t Dyes*	various	various	<13%	Xn	R20 R21 R33
Basic [Dyes*	various	various	<7%	Xn, N	R20/21/22 R33 R41 R51/53
Resins	s, surfactants	various	various	<60%		
Note: The complete text of risk –R- phrases can be found in Section 15 and 16 *The chemical nature of the dyes used has been included as detailed in Article 15 of Directive 1999/45/EC						
4.0	First Aid Measures					
4.1	Skin Contact	Remove any contaminated clothing. Wash with soap & flowing water for 15 minutes. If irritation occurs consult a physician.				
4.2	Eye Contact	Irrigate with a suitable eye solution or water for ten minutes - obtain medical attention.				
4.3	Inhalation	Remove from exposure - in severe cases obtain medical attention.				
4.4	Ingestion	Give plenty to drink if ingestion is suspected. DO NOT induce vomiting and consult a physician.				



5.1 Hazard Low Flash Point: 23°C Explosive Limits: lower limit 2.1% to 13.5%upper limit. Alcohol resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Water may not be effective initially. 5.2 Media to avoid Reacts strongly with oxidisers. 5.3 Hazardous Combustion Reacts strongly with oxidisers. 5.4 Protective Equipment Fire fighter's should wear proper protective equipment and self-contained breathing apparatus with full face-piece. 5.5 Additional Information Fire fighter's should wear proper protective equipment and self-containers from may flow along surfaces to distant ignition sources and flash back. Closed containers exposed to heat may explode. Move exposed containers from fire are at it can be done without risk. Use water to keep fire-exposed containers foom, fire are at propur. Extinguish naked flames. Remove ignition sources. No smoking Avoid sparks. Exolate the area of all non-essential personnel. Shut off leaks, if possible avoid and piece in a labelled, seable contain rom strong propriate barriers. 6.2 Environmental Prevent containition of soil and water. Prevent from spreading or entering indivation allowed in soluted and on the appropriate barriers. 6.3 Method of Clean Up Product is not Intended nor should be allowed to maintain prolonged skin contact. Ensure good varianiticed area with plenty of water. Retain washings as ontaminated water. Retain washings as ontaminated area with plenty of water. Retain washin	5.0	Fire-Fighting Measures			
Explosive limit L 1 water stray of rog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Water may not be effective initially, water stray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Water may not be effective initially, water stray or fog. Dry chemical powder, carbon dioxide, 3. 4. Hazardous Combustion Products Carbon Monoxide (CO) can form with incomplete combustion. Some oxides of nitrogen (NOx) and sulptur (SOx) could be formed. Complete combustion will yield primarily carbon dioxide (CO) and water. 5.4 Protective Equipment Fire fighters should wear proper protective equipment and self-contained breathing aparatus with full face-picee. 6.0 Accidental Rolease Measures Closed containers exposed to heat may explode. Move exposed containers cool. 6.1 Personal Precautions Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked fames. Remove ignition sources. No smoking, Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked fames. Remove ignition sources. No smoking, Avoid contact with skin and eyes. Ventilate contaminate area thoroughly. Do not breathe vapour. Extinguish naked fames. Remove ignition sources are solving possible without personal risk. 6.2 Environmental Preventions Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathing boards. 6.3 Method of Clean Up Absorb or contain inguity of sources on the approprinteer for s	- 4		Low Flash Point: 23°C		
5.1 Extinguishing Media Accohol resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Water may not be effective initially. 5.2 Media to avoid Reacts strongly with oxidisers. 5.3 Hazardous Combustion Carbon Monoxide (CO) can form with incomplete combustion. Some oxides of Ntrogen (NO-) and subpur (SO-) could be formed. Complete combustion will yield primarily carbon dioxide (CO ₂) and water. 5.4 Protective Equipment Fire fighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece. 5.5 Additional Information Closed containers exposed to heat may explode. Move exposed containers root. 6.0 Accidental Release Measures Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breather vapour. Extinguish naked fames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of al non-assential personnel. Shut of fleaks. If possible without personal risk. 6.2 Environmental Prevent contamination of soil and vater. Prevent from spreading or entering into rains, ditches or rorers by using sand, earth, or other appropriate barriers. Absorb or contain liquid with sand, earth or pill control material. Collect avoiding possible spark ignition and place in a labeled drim. Solvent is missible with water. Reter to Sections & 0. and 13.0 for additional information on Exposure and bisposal. 6.3 Method of Clean Up Product is not	5.1	Hazard			
5.1 Extinguishing Media sand or earth may be used for small fires only. Water may not be effective initially. 5.2 Media to avoid Reacts strongly with oxidisers. 6.3 Hazardous Combustion Carbon Monoxide (CO) can form with incomplete combustion. Some oxides of introgen (NO ₂) and sulphur (SO ₂) could be formed. Complete combustion will yield primarily carbon divokie (CO) and water. 5.4 Protective Equipment Fire fighters should wear proper protective equipment and self-contained breathing apparatus with full aceptece. 5.5 Additional Information Closed containers exposed to heat may explode. Move exposed containers from fire area if it can be done without risk. Use water to keep fire-exposed containers from fire area if it can be done without risk. Use water to keep fire-exposed containers from preading or entering information and event. Extinguish naked finase. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Precautions Aborb or contain liquid with sand, earth or other appropriate barriers. 6.3 Method of Clean Up Absorb or contain liquid with sand, earth or splic contoin material. Collect avoiding possible spark ignition and place in a labeled, sealble container for basequent safe disposal. 7.0 Handling and Storage Product is not intended nor should be allowed to maintain prolonged skin contact. Theshorotaminated wase. Renever upinital maxim applate. Av					
Initially. Initially. 5.2 Media to avoid Reacts strongly with oxidisers. 5.3 Hazardous Combustion Reacts strongly with oxidisers. 5.4 Protective Equipment Fire fighters should wear proper protective equipment and self-contained breathing apparatus with full face-picew equipment and self-containers proper protective equipment and self-containers exposed to heat may explode. Nove exposed containers process to its ant seve exposed containers process to its and seve exposed containers proper protective equipment and self-containers exposed to heat may explode. Nove exposed containers process containers process containers process to its and seve exposed containers exposed to heat may explode. Nove exposed containers process containers process process to heat any explode. Nove exposed containers process containers process containers process process containers process containers process containers from fire area if it can be done without risk. Use water to keep fire-exposed containers process containers from fire area if it can be done without risk. Use water to may explode. Novel explores the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Environmental Prevent containination of soil and water. Prevent from spreading or entering into water. Relam of containers provide of soil and water. Nervent process and flash personel. Shut off leaks, if possible spark ignition and place in a labeled, sealable container for subsequent safe disposal.	5.1	Extinguishing Media			
5.2 Media to avoid Reacts strongly with oxidisers. 5.3 Hazardous Carbon Monoxide (CO) can form with incomplete combustion. Some oxides of mirogen (NO ₂) and sulphur (SO ₂) could be formed. Complete combustion will yield primarily carbon divide (CD) and water. 5.4 Protective Equipment Fire fighters should wear proper protective equipment and self-contained breating apparatus with full face-piece. 5.5 Additional Information Closed containers exposed to heat may explode. Move exposed containers from fire area if it can be done without risk. Use water to keep fire-exposed containers from fire area if at can be done without risk. Use water to keep fire-exposed containers from fire area if it can be done without risk. Use water to keep fire-exposed containers col. 6.1 Personal Precautions Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breat the vapur. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Precautions Absorb or contain incluid with sand, earth or split control material. Collect avoiding possible spark ignition and place in a labeled, sealeble container for subsequent safe disposal. 6.3 Method of Clean Up Absorb or contain incluid with sand, earth or split control material. Collect avoiding possible spark ignition and place in a labeled, sealeble container for subsequent safe disposal. 7.0 Handling and Storage				, ,	
Hazardous Combustion Products Carbon Monoxide (CQ) can form with incomplete combustion. Some oxides of nivel oprimarily carbon dioxide (CQ) and water. 5.4 Protective Equipment Fire fighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece. 5.5 Additional Information Fire fighters should wear proper protective equipment and self-containers for area if it can be done without risk. Use water to keep fire-exposed containers cool. 6.0 Accidental Release Measures Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid parks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Environmental Precautions Prevent contamination of soil and water. Prevent from spreading or entering into possible spark ignition and place in a labeled, sealable container for subsequent safe disposal. Put leaking containers in a labeled drum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where exortaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and inhalation. Avoid sources of lightion. 7.2 Storage Keep away from	5.2	Media to avoid		Sers.	
5.3 Products Onlinusion 9 Products nitrogen (NO.) and sulptur (SO.) could be formed. Complete combustion will yield primarily carbon dioxide (CO.) and water. 5.4 Protective Equipment Fire fighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece. 5.5 Additional Information Closed containers exposed to heat may explode. More exposed containers from free area if it can be done without risk. Use water to keep fire-exposed containers from free area if it can be done without risk. Use water to keep fire-exposed containers from free area if it can be done without risk. Use water to keep fire-exposed containers from free area if it can be done without risk. Use water to keep fire-exposed containers from free area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.1 Personal Precautions Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breather vapour. Extinguish naked flames. Remove ignition sources. No smoking. 6.2 Environmental precautions Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or spli control material. Collect avoiding possible spark ignition and place in a labeled sealable container for subsequent safe disposal. Put leaking containers in a labeled drum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated wates. 7.1 Handling and Storage Product is not intended nor should be allowed to main			Carbon Monovide (CO) can form with incomplete compustion. Some oxides of		
State Protective Equipment Fire fighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece. 5.5 Additional Information Vapours may flow along surfaces to distant ignition sources and flash back. Closed containers exposed to heat may explode. Move exposed containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool. 6.0 Accidental Release Measures Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Executate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Environmental Prevent contamination of soil and water. Prevent from spreading or entering into possible with water. or contain liquid with sand, earth or other appropriate barriers. In possible with water. Fluck containing and place in a labelled drum. Solvent is miscible with water. Fluck containing and place in a labelled drum. Solvent is miscible with water. Fluck containing and water. Prevent from spreading or entering into and place in a labelled drum. Solvent is miscible with water is fush contain liquid with sand, earth or other appropriate barriers. In the solvent is miscible with water fush contact with place yee, skin and clothing, avoid ingestion and bisposal. 6.3 Method of Clean Up Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with plexy of water. Retain washings as contarin and place. 7.0 <td>5.3</td> <td></td> <td>nitrogen (NO_x) and sulph</td> <td>nur (SO_x) could be formed. Complete combustion will</td>	5.3		nitrogen (NO _x) and sulph	nur (SO _x) could be formed. Complete combustion will	
3.4 Protective Equipment breathing apparatus with full face-piece. 5.5 Additional Information Vapours may flow along surfaces to distant ignition sources and flash back. Closed containers exposed to heat may explode. Move exposed containers from fre area if it can be done without risk. Use water to keep fire-exposed containers for out. 6.0 Accidental Release Measures Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid parks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Environmental Precautions Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Absorb or contain liquid with sand, earth or spill control material. Collect avoiding possible spark ignition and place in a labelled sector. Sole of Clean Up 6.3 Method of Clean Up water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling and Storage Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of ignition. The prospone of the angitated place. 7.4 Handling Product is not intended nor shou		Products			
Starting apparatus winn lumitace-piece. 4ditional Information Vapours may flow along surfaces to distant ignition sources and flash back. Closed containers exposed to heat may explode. Move exposed containers from fire area fit tax he done without risk. Use water to keep fire-exposed containers cool. 6.0 Accidental Release Measures 6.1 Personal Precautions Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personal. Shut off leaks, if possible without personal risk. 6.2 Environmental Precautions Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or goill control material. Collect avoiding possible spark ignition and place in a labelled drum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Reter to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sparks and other sources of flation. 7.1 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Uso flash shaut else lead and in a well-ventilated place. 7.2 Storage Forduct is no	5 4	Drotoctive Equipment	Fire fighters should we	ar proper protective equipment and self-contained	
5.5 Additional Information Closed containers exposed to heat may explode. Move exposed containers from free are af it can be done without risk. Use water to keep fire-exposed containers tool. 6.0 Accidental Release Measures Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid oparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.1 Personal Precautions Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Environmental Prevent contamination of soil and water. Prevent from spreading or entering into apossible spark ignition and place in a labelled. sealable container for subsequent safe disposal. Put leaking containers in a labelled form. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of ignition. 7.2 Storage Froduct is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilated	5.4	Protective Equipment			
3.3 Publicition information fire area if it can be done without risk. Use water to keep fire-exposed containers cool. 6.0 Accidental Release Measures Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Environmental Precautions Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or spill control material. Collect avoiding possible spark ignition and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum. Solvent is miscible with water. Flush contaminated wasel. 7.0 Handling and Storage Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision ol coal exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of ignition. 7.2 Storage Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision ol coal exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of ignition. 7.2 Storage Cont flash and other sources of gnition. Take precautionary measures a gainst static discharges. Earth all equipment used in transport and use so as to avoid sparks and other sources of gnintion. Take precautionary measures					
Accidental Release Measures Accidental Release Measures Accidental Release Measures Accidental Release Measures Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Environmental Prevent contamination of soil and water. Prevent from spreading or entering into drains, diches or vivers by using sand, earth, or other appropriate barriers. Absorb or contain liquid with sand, earth or spill control material. Collect avoiding possible spark (gniton and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as containitated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of ignition. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from dividing agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.3 Product Transfer 1-Methoxypropan-2-ol Bhour TWA 100ppm (369mg/m ²)	55	Additional Information			
6.0 Accidental Release Measures 6.1 Personal Precautions Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Environmental Precautions Prevent contamination of soil and water. Prevent from spreading or entering into drains, diches or rivers by using sand, earth, or other appropriate barriers. 6.3 Method of Clean Up Absorb or contain liquid with sand, earth or spill control material. Collect avoiding possible spark ignition and place in a labelled, sealable container for subsequent water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. 7.0 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid onterct with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition. 7.2 Storage Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures around 25°C and then adjuste that lier inks be stored for at least 24 hours at around 25°C and then adjusted prior to assembly into markers or pen products. 7.4 Shelf Life 1- Methoxypropan-2-ol Bhour TWA 100ppm (369mg/m³) (ACGIH 1997). MAK 100ppm (379mg/m³) (ACGIH 1997). MAK 100ppm (379mg/m³) (ACGIH 1997). MAK 1	0.0		fire area if it can be done	without risk. Use water to keep fire-exposed containers	
6.1 Avoid contact with skin and eyes. Ventilate contaminated area throughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Environmental Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Absorb or contain liquid with sand, earth or spill control material. Collect avoiding possible spark ignition and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled rum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid sources of Ignition. Keep away from direct sunlight and other sources of neat or ignition. Keep away from direct sunlight and other sources of neat or ignition. Keep away from dicking agents. Do not smoke in storage areas. Keep container tightly into drains. Multichem advise that ther inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Sheff Life 1-Methoxypropan-2-ol Bhour TWA 100ppm (369mg/m ²) 7.3 Product Transfer 1-Methoxypropan-2-ol Bhour TWA 100ppm (375mg/m ²) (ACGIH 1997). MAK 100ppm (375mg/m ²) 8.1 Exp					
6.1 Personal Precautions breathe vapour. Extinguish nåked flames. Remove ignition sources. Ño smoking Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Environmental Precentions Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or spill control material. Collect avoiding possible spark ignition and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of lgnition. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.3 Product Transfer Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of lightion. Take precaultonary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agaitated prior to assembly into markers or pen products.	6.0	Accidental Release Meas			
6.1 Personal Precautions Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. 6.2 Environmental Precautions Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. 6.3 Method of Clean Up Absorb or contain liquid with sand, earth or spill control material. Collect avoiding possible spark ignition and place in a labelled drum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. 7.0 Handling and Storage Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid sources of lightion. 7.1 Handling Keep away from direct sunlight and other sources of heat or igniton. Keep away from moxiding agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.2 Storage Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 exposure Controls / Personal Protection					
Avoid sparks. Evacuate the area of all non-essential personnel. Shut off ideas, if possible without personal risk. 6.2 Environmental Precautions Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or spill control material. Collect avoiding possible spark ignition and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled frum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling and Storage Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition. 7.2 Storage Froduct Transfer Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection Bhour TWA 100ppm (369mg/m ³) 7.3 Product Transfer 1-Methoxypropan-2-ol Bhour TWA 100ppm (369mg/m ³) 8.1 Exposure Limit Values 1-Methoxypropan-2-ol Bhour TWA 100ppm (369mg/m ³) 8.2 </td <td>61</td> <td>Personal Precautions</td> <td></td> <td></td>	61	Personal Precautions			
6.2 Environmental Precautions Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or spill control material. Collect avoiding possible spark ignition and place in a labelled drum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling and Storage 7.1 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of lignition. 7.2 Storage Froduct is not intended nor sould be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid sources of lignition. 7.2 Storage Froduct is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid sources of lignition. 7.3 Storage Froduct Transfer Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that ther inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products.	0.1		•	•	
6.2 Precautions drains, ditches or rivers by using sand, earth, or other appropriate barriers. 6.3 Method of Clean Up Absorb or contain liquid with sand, earth or spill control material. Collect avoiding possible spark ignition and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. 7.0 Handling and Storage 7.1 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.1 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of lgnition. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.3 Product Transfer Low flash point; requires attention to equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 1-Methoxypropan-2-ol Shour TWA 100ppm (369mg/m³) 8.1 <					
Precautions drains, ottones or nvers by using sand, earth, or spill control material. Collect avoiding possible spark ignition and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled rum. Solvent is miscible with sand, earth or spill control material. Collect avoiding possible spark ignition and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled rum. Solvent is miscible with sand, earth or spill control material. Collect avoiding avoid mater. Retain washings as contaminated waste. 6.3 Method of Clean Up water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. 7.0 Handling and Storage Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition. 7.1 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilated place. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from direct sunlight and other sources of lead or glush shilling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection Shour TWA 100ppm (369mg/m ³) </td <td>62</td> <td></td> <td></td> <td></td>	62				
6.3 Method of Clean Up possible spark ignition and place in a labelled, sealable container for subsequent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling and Storage 7.1 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of lignition. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.3 Product Transfer Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol 8.1 Exposure Limit Values 1-Methoxypropan-2-ol 8.2 Personal Protection Avo	0.2	Precautions			
6.3 Method of Clean Up safe disposal. Put leaking containers in a labelled drum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling and Storage Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from direct sunlight and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.1 Exposure Controls / Personal Protection 8hour TWA 100ppm (369mg/m ³) 8.1 Exposure Limit Values 1-Methoxypropan-2-ol 8hour TWA 100ppm (357mg/m ³) (ACGIH 1997). MAK 100ppm (357mg/m ³) 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures a means of removing material incidentally released. Type approved RPE for organic vapours if required. 7.4 Shelf Life 1-Metho					
6.3 Method of Clean Up water. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling and Storage Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition. 7.1 Handling Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.3 Storage Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol Mart TWA 100ppm (369mg/m ³) 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic va					
Contaminated waste. Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling and Storage 7.1 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.3 Product Transfer Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. D on to empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol (Pronan-1-ol) Bhour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³) (14CGIH 1997). MAK 100ppm (375mg/m ³) 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with					
Refer to Sections 8.0 and 13.0 for additional information on Exposure and Disposal. 7.0 Handling and Storage 7.1 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-wentilated place. 7.3 Product Transfer Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection Bhour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (355mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³) (375mg/m ³) 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapour	6.3	Method of Clean Up		ed area with plenty of water. Retain washings as	
Image: Constraint of the image of the i					
7.0 Handling and Storage 7.1 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.3 Product Transfer Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol .MAK 100ppm (356mg/m ³) (ACGIH 1997). MAK 100ppm (355mg/m ³) (ACGIH 1997). MAK 100ppm (357mg/m ³) (1996) 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required. 8.2 Persortection Safety goggles or face shiel				nd 13.0 for additional information on Exposure and	
7.1 Handling Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.3 Product Transfer Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol 8.1 Exposure Limit Values 1-Methoxypropan-2-ol 8.2 Personal Protection Bhour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996) 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapou			Disposal.		
7.1 Handling Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.3 Product Transfer Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol Shour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³) (140GIH 1997). MAK 100ppm (375mg/m ³) (140GIH 1997). MAK 100ppm (375mg/m ³) 8.2 Personal Protection Propanol EH40 (United Kingdom (UK)) Respiratory Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required. Hand Protection	7.0	Handling and Storage			
7.1 Flanding possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition. 7.2 Storage Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.3 Product Transfer Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol 8hour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996) 8.2 Personal Protection Protouction MEL: 500mg/m³ STEL: 625mg/m³ 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required. Hand Protection Protective butyl gloves. Eye Protection Safety goggles or face shield. <tr< td=""><td></td><td></td><td>Description of the second function of a second</td><td>and a stable second to an electric second a line second second second second second second second second second</td></tr<>			Description of the second function of a second	and a stable second to an electric second a line second second second second second second second second second	
inhalation. Avoid sources of Ignition. 7.2 Storage 7.2 Storage 7.2 Storage 7.3 Product Transfer 2 Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol StrEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³) (CAGIH 1997). MAK 100ppm (375mg/m³) (ACGIH 1997). MAK 1					
7.2StorageKeep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place.7.3Product TransferLow flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products.7.4Shelf Life12 months from receipt8.0Exposure Controls / Personal Protection8.1Exposure Limit Values1-Methoxypropan-2-olShour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996)8.2Personal ProtectionEH40 (United Kingdom (UK)) (Pronan-1-ol)EH40 (United Kingdom (UK)) MEL: 500mg/m³ STEL: 625mg/m³8.2Personal ProtectionAvoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required.Hand ProtectionProtective butyl gloves.Eye ProtectionSafety goggles or face shield.Skin ProtectionOveralls and anti static safety shoes.AdditionalDo not permit smoking whilst product is used. Keep away from children.	7.1	Handling	Ensure good ventilation	or the provision of local exhaust ventilation where	
7.2 Storage from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. 7.3 Product Transfer Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol Shour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³) (1996) 8.2 Personal Protection EH40 (United Kingdom (UK)) MEL: 500mg/m³ STEL: 625mg/m³ 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required. Hand Protection Protective butyl gloves. Safety goggles or face shield. Skin Protection Overalls and anti static safety shoes. Overalls and anti static safety shoes. Additional Do not permit smoking whilst product is used. Keep away from children.	7.1	Handling	Ensure good ventilation possible. Avoid contact	or the provision of local exhaust ventilation where twith eyes, skin and clothing, avoid ingestion and	
Closed and in a well-ventilated place. Image: Closed and in a well-ventilated place. 7.3 Product Transfer Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol 8hour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³) (1996) 8.2 Personal Protection Pronan-1-ol) MEL: 500mg/m³ STEL: 625mg/m³ 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required. Hand Protection Protective butyl gloves. Eye Protection Kin Protection Safety goggles or face shield. Overalls and anti static safety shoes. Additional Do not permit smoking whilst product is used. Keep away from children.	7.1	Handling	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition.	
7.3Product TransferLow flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products.7.4Shelf Life12 months from receipt8.0Exposure Controls / Personal Protection8.1Exposure Limit Values1-Methoxypropan-2-ol8hour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996)8.2Personal ProtectionAvoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required.Hand ProtectionProtective butyl gloves.Eye ProtectionSafety goggles or face shield. Overalls and anti static safety shoes.AdditionalDo not permit smoking whilst product is used. Keep away from children.			Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su	or the provision of local exhaust ventilation where with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away	
7.3Product Transferto avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products.7.4Shelf Life12 months from receipt8.0Exposure Controls / Personal Protection8hour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996)8.1Exposure Limit Values1-Methoxypropan-2-ol (Pronan-1-ol)8hour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996)8.2Personal ProtectionEH40 (United Kingdom (UK)) (Pronan-1-ol)MEL: 500mg/m³ STEL: 625mg/m³8.2Personal ProtectionAvoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required.Hand ProtectionProtective butyl gloves.Eye ProtectionSafety goggles or face shield.Skin ProtectionOveralls and anti static safety shoes.AdditionalDo not permit smoking whilst product is used. Keep away from children.			Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D	or the provision of local exhaust ventilation where with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly	
7.3 Product Transfer against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products. 7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8hour TWA 100ppm (369mg/m³) 8.1 Exposure Limit Values 1-Methoxypropan-2-ol 8hour TWA 100ppm (359mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996) 8.2 Personal Protection Respiratory Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required. Hand Protection Protection Safety goggles or face shield. Skin Protection Overalls and anti static safety shoes. Do not permit smoking whilst product is used. Keep away from children.			Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place.	
into drains. Multichem advise that their inks be stored for at least 24 hours at around 25°C and then agitated prior to assembly into markers or pen products.7.4Shelf Life12 months from receipt8.0Exposure Controls / Personal Protection8.1Exposure Limit Values1-Methoxypropan-2-ol8hour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996)8.1Personal ProtectionEH40 (United Kingdom (UK)) (Pronan-1-ol)EH40 (United Kingdom (UK)) MEL: 500mg/m³ STEL: 625mg/m³8.2Personal ProtectionAvoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required.Hand ProtectionProtective butyl gloves.Eye ProtectionSafety goggles or face shield.Skin ProtectionOveralls and anti static safety shoes.AdditionalDo not permit smoking whilst product is used. Keep away from children.			Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as	
Image: Sec in the sectionaround 25°C and then agitated prior to assembly into markers or pen products.7.4Shelf Life12 months from receipt8.0Exposure Controls / Personal Protection8.1Exposure Limit Values1-Methoxypropan-2-ol8hour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996)8.2Personal ProtectionImage: Personal Protection8.2Personal ProtectionAvoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required.Hand ProtectionProtective butyl gloves.Eye ProtectionSafety goggles or face shield.Skin ProtectionOveralls and anti static safety shoes.AdditionalDo not permit smoking whilst product is used. Keep away from children.	7.2	Storage	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures	
7.4 Shelf Life 12 months from receipt 8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol 8hour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996) 8.2 Personal Protection EH40 (United Kingdom (UK)) (Pronan-1-ol) EH40 (United Kingdom (UK)) MEL: 500mg/m³ STEL: 625mg/m³ 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required. Hand Protection Protective butyl gloves. Protective butyl gloves. Eye Protection Safety goggles or face shield. Overalls and anti static safety shoes. Additional Do not permit smoking whilst product is used. Keep away from children.	7.2	Storage	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges.	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty	
8.0 Exposure Controls / Personal Protection 8.1 Exposure Limit Values 1-Methoxypropan-2-ol 8hour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996) 8.2 Personal Protection EH40 (United Kingdom (UK)) (Pronan-1-ol) EH40 (United Kingdom (UK)) MEL: 500mg/m³ STEL: 625mg/m³ 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required. Hand Protection Protective butyl gloves. Eye Protection Safety goggles or face shield. Skin Protection Overalls and anti static safety shoes. Additional Do not permit smoking whilst product is used. Keep away from children.	7.2	Storage	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at	
8.1Exposure Limit Values1-Methoxypropan-2-ol8hour TWA 100ppm (369mg/m³) STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996)8.2Personal Protectionn-Propanol (Pronan-1-ol)EH40 (United Kingdom (UK)) MEL: 500mg/m³ STEL: 625mg/m³8.2Personal ProtectionAvoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required.Hand ProtectionProtective butyl gloves.Eye ProtectionSafety goggles or face shield.Skin ProtectionOveralls and anti static safety shoes.AdditionalDo not permit smoking whilst product is used. Keep away from children.	7.2	Storage Product Transfer	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac around 25°C and then agi	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at	
8.1 Exposure Limit Values 1-Methoxypropan-2-ol STEL (15 mins) 150ppm (553mg/m³) (ACGIH 1997). MAK 100ppm (375mg/m³)(1996) 8.2 Personal Protection EH40 (United Kingdom (UK)) (Pronan-1-ol) MEL: 500mg/m³ STEL: 625mg/m³ 8.2 Personal Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required. Hand Protection Protective butyl gloves. Eye Protection Safety goggles or face shield. Skin Protection Overalls and anti static safety shoes. Additional Do not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4	Storage Product Transfer Shelf Life	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac around 25°C and then agi 12 months from receipt	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at	
Image: Market 100ppm (375mg/m³)(1996)Image: Market 100ppm (375mg/m³)(1996) <tr< td=""><td>7.2 7.3 7.4</td><td>Storage Product Transfer Shelf Life</td><td>Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac around 25°C and then agi 12 months from receipt</td><td>or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products.</td></tr<>	7.2 7.3 7.4	Storage Product Transfer Shelf Life	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac around 25°C and then agi 12 months from receipt	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products.	
n-Propanol (Pronan-1-ol)EH40 (United Kingdom (UK)) MEL: 500mg/m³ STEL: 625mg/m³8.2Personal ProtectionMEL: 500mg/m³ STEL: 625mg/m³Respiratory ProtectionAvoid inhalation of the variation of the variation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required.Hand ProtectionProtective butyl gloves.Eye ProtectionSafety goggles or face shield.Skin ProtectionOveralls and anti static safety shoes.AdditionalDo not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4 8.0	Storage Product Transfer Shelf Life Exposure Controls / Perso	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac around 25°C and then agi 12 months from receipt onal Protection	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³)	
8.2 Personal Protection 8.2 Personal Protection Respiratory Protection Avoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required. Hand Protection Protective butyl gloves. Eye Protection Safety goggles or face shield. Skin Protection Overalls and anti static safety shoes. Additional Do not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4 8.0	Storage Product Transfer Shelf Life Exposure Controls / Perso	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac around 25°C and then agi 12 months from receipt onal Protection	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997).	
Respiratory ProtectionAvoid inhalation of the vapours when the product in being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required.Hand ProtectionProtective butyl gloves.Eye ProtectionSafety goggles or face shield.Skin ProtectionOveralls and anti static safety shoes.AdditionalDo not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4 8.0	Storage Product Transfer Shelf Life Exposure Controls / Perso	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac around 25°C and then agi 12 months from receipt onal Protection 1-Methoxypropan-2-ol	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996)	
Respiratory Protectionventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required.Hand ProtectionProtective butyl gloves.Eye ProtectionSafety goggles or face shield.Skin ProtectionOveralls and anti static safety shoes.AdditionalDo not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4 8.0	Storage Product Transfer Shelf Life Exposure Controls / Perso	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac around 25°C and then agi 12 months from receipt onal Protection 1-Methoxypropan-2-ol n-Propanol	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996) EH40 (United Kingdom (UK))	
Respiratory Protectionventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released. Type approved RPE for organic vapours if required.Hand ProtectionProtective butyl gloves.Eye ProtectionSafety goggles or face shield.Skin ProtectionOveralls and anti static safety shoes.AdditionalDo not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4 8.0 8.1	Storage Product Transfer Shelf Life Exposure Controls / Perso Exposure Limit Values	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac around 25°C and then agi 12 months from receipt onal Protection 1-Methoxypropan-2-ol n-Propanol	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996) EH40 (United Kingdom (UK))	
Hand Protection Protective butyl gloves. Eye Protection Safety goggles or face shield. Skin Protection Overalls and anti static safety shoes. Additional Do not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4 8.0 8.1	Storage Product Transfer Shelf Life Exposure Controls / Perso Exposure Limit Values	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem act around 25°C and then agi 12 months from receipt onal Protection 1-Methoxypropan-2-ol n-Propanol (Pronan-1-ol) Avoid inhalation of the var	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996) EH40 (United Kingdom (UK)) MEL: 500mg/m ³ STEL: 625mg/m ³	
Hand Protection Protective butyl gloves. Eye Protection Safety goggles or face shield. Skin Protection Overalls and anti static safety shoes. Additional Do not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4 8.0 8.1	Storage Product Transfer Shelf Life Exposure Controls / Personal Protection	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem act around 25°C and then agi 12 months from receipt onal Protection 1-Methoxypropan-2-ol n-Propanol (Pronan-1-ol) Avoid inhalation of the var ventilation (LEV) should b	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996) EH40 (United Kingdom (UK)) MEL: 500mg/m ³ STEL: 625mg/m ³	
Eye Protection Safety goggles or face shield. Skin Protection Overalls and anti static safety shoes. Additional Do not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4 8.0 8.1	Storage Product Transfer Shelf Life Exposure Controls / Personal Protection	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem act around 25°C and then agi 12 months from receipt onal Protection 1-Methoxypropan-2-ol n-Propanol (Pronan-1-ol) Avoid inhalation of the var ventilation (LEV) should b	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996) EH40 (United Kingdom (UK)) MEL: 500mg/m ³ STEL: 625mg/m ³	
Skin Protection Overalls and anti static safety shoes. Additional Do not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4 8.0 8.1	Storage Product Transfer Shelf Life Exposure Controls / Personal Protection	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac around 25°C and then agi 12 months from receipt onal Protection 1-Methoxypropan-2-ol n-Propanol (Pronan-1-ol) Avoid inhalation of the va ventilation (LEV) should b means of removing mat	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996) EH40 (United Kingdom (UK)) MEL: 500mg/m ³ STEL: 625mg/m ³ apours when the product in being used. Local exhaust e used in conjunction with other control measures as a terial incidentally released. Type approved RPE for	
Skin Protection Overalls and anti static safety shoes. Additional Do not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4 8.0 8.1	Storage Product Transfer Shelf Life Exposure Controls / Personal Exposure Limit Values Personal Protection Respiratory Protection	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem ac around 25°C and then agi 12 months from receipt onal Protection 1-Methoxypropan-2-ol n-Propanol (Pronan-1-ol) Avoid inhalation of the va ventilation (LEV) should b means of removing mar organic vapours if required	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996) EH40 (United Kingdom (UK)) MEL: 500mg/m ³ STEL: 625mg/m ³ apours when the product in being used. Local exhaust e used in conjunction with other control measures as a terial incidentally released. Type approved RPE for	
Additional Do not permit smoking whilst product is used. Keep away from children.	7.2 7.3 7.4 8.0 8.1	Storage Product Transfer Shelf Life Exposure Controls / Personal Exposure Limit Values Personal Protection Respiratory Protection Hand Protection	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem act around 25°C and then agi 12 months from receipt onal Protection 1-Methoxypropan-2-ol n-Propanol (Pronan-1-ol) Avoid inhalation of the va ventilation (LEV) should b means of removing ma organic vapours if required Protective butyl gloves.	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996) EH40 (United Kingdom (UK)) MEL: 500mg/m ³ STEL: 625mg/m ³ apours when the product in being used. Local exhaust e used in conjunction with other control measures as a terial incidentally released. Type approved RPE for d.	
	7.2 7.3 7.4 8.0 8.1	Storage Product Transfer Shelf Life Exposure Controls / Personal Exposure Limit Values Personal Protection Respiratory Protection Hand Protection Eye Protection	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem act around 25°C and then agi 12 months from receipt onal Protection 1-Methoxypropan-2-ol n-Propanol (Pronan-1-ol) Avoid inhalation of the va ventilation (LEV) should b means of removing mat organic vapours if required Protective butyl gloves. Safety goggles or face shi	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. nlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996) EH40 (United Kingdom (UK)) MEL: 500mg/m ³ STEL: 625mg/m ³ apours when the product in being used. Local exhaust e used in conjunction with other control measures as a terial incidentally released. Type approved RPE for d.	
	7.2 7.3 7.4 8.0 8.1	Storage Product Transfer Shelf Life Exposure Controls / Personal Exposure Limit Values Personal Protection Respiratory Protection Hand Protection Skin Protection	Ensure good ventilation possible. Avoid contact inhalation. Avoid sources Keep away from direct su from oxidising agents. D closed and in a well-ventil Low flash point; requires to avoid sparks and oth against static discharges. into drains. Multichem act around 25°C and then agi 12 months from receipt onal Protection 1-Methoxypropan-2-ol n-Propanol (Pronan-1-ol) Avoid inhalation of the va ventilation (LEV) should b means of removing ma organic vapours if required Protective butyl gloves. Safety goggles or face shi Overalls and anti static sa Do not permit smoking wh	or the provision of local exhaust ventilation where t with eyes, skin and clothing, avoid ingestion and of Ignition. Inlight and other sources of heat or ignition. Keep away o not smoke in storage areas. Keep container tightly ated place. attention to equipment used in transport and use so as er sources of ignition. Take precautionary measures Earth all equipment. Avoid splash filling. Do not empty lvise that their inks be stored for at least 24 hours at tated prior to assembly into markers or pen products. 8hour TWA 100ppm (369mg/m ³) STEL (15 mins) 150ppm (553mg/m ³) (ACGIH 1997). MAK 100ppm (375mg/m ³)(1996) EH40 (United Kingdom (UK)) MEL: 500mg/m ³ STEL: 625mg/m ³ apours when the product in being used. Local exhaust e used in conjunction with other control measures as a terial incidentally released. Type approved RPE for d. eld. fety shoes. ilst product is used. Keep away from children.	



9.0	Physical and Chemical Properties				
	Odour	Ethereal			
	Appearance	Coloured Liquid			
	Volatility	Approx 80%			
	pH	3.0 to 9.0			
	Boiling Point / Range	97°C			
	Flash Point	23°C			
	Auto-ignition	410°C			
		This preparation is not considered explosive. The formation of explosive			
	Explosive Properties	vapour/air mixtures is possible.			
	Explosive Limits	Lower limit 2.1% to 13.5% upper limit (volume % in air).			
	Vapour Pressure	13.3mbar at 20°C			
	Relative Density	$0.89 - 1.00 \text{ g/cm}^3$ (water = 1.0)			
	Solubility	Water Solubility – solvents miscible with water.			
	Viscosity	3 – 12 cP			
10.0	Stability and Reactivity				
10.1	Conditions to Avoid	Considered a stable product.			
10.1		Reacts with strong oxidising agents causing fire and explosion hazards. Can also			
10.2	Materials to Avoid	react with acid chlorides, acid anhydrides, aluminium and copper. It may attack			
		some forms of plastic and rubber.			
	Hazardous	May give of irritant / toxic fumes if involved in a fire. Primarily forms oxides of			
10.3	Decomposition	carbon during combustion.			
11.0	Toxicological Information				
11.1	Acute Effects				
	Vapour inhalation	Ataxia, confusion, dizziness, drowsiness, headache, nausea, weakness.			
	Skin	De-fatting of skin. Dry skin. Note that dermal absorption of solvents could also			
	SKII	contribute substantially to the total body burden.			
	Eyes	Lacrimation, redness, pain, blurred vision.			
	Ingestion	Abdominal pain, sore throat, drowsiness, headache, nausea.			
11.2	Target Organ Effects	The preparation may cause liver and kidney damage if abused.			
11.3	Sensitisation	Allergic skin reaction / dermatitis could occur with misuse of this preparation.			
12.0	Ecological Information				
12.1	Eco-toxicity	Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.			
12.2	Mobility	Mobile liquid. Contains approx 80% volatile components. Solvents readily absorbed into soil. Non volatile content only slightly soluble in water.			
12.3	Persistence/Degradabilit y	Solvents are readily biodegradable.			
12.4	Bio accumulative Potential	This product shows a low bioaccumulation potential.			
13. Disposal Considerations 0					
waste	e. Consider recycling or incirulated by the owner of the was	ontainers in accordance with State and Local regulations for hazardous or 'Special' neration. State or Local regulations are complex and subject to change so should be ste prior to disposal.			
UN N					
		1993 Elammable Liquid n.e.s. (Containe Brance 1.el)			
	per Shipping Name: Flammable Liquid n.o.s (Contains Propan-1-ol)				
	DR, IATA, IMDG Hazard Class 3				
Packi	Packing Group 2				



15. 0	Regulatory Information				
15.1	Hazard Symbols	F	Xi		
		HIGHLY FLAMMABLE	IRRITANT		
15.2	-R-phrases				
	R11	HIGHLY FLAMMABLE			
	R41	RISK OF SERIOUS DAMAGE TO EYES			
	R67	VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.			
15.3	-S-Phrases				
	S2	KEEP OUT OF REACH OF CHILDREN			
	S7	KEEP CONTAINER TIGHTLY CLOSED			
	S16	KEEP AWAY FROM SOURCES OF IGNIT	ION. NO SMOKING.		
	S24	AVOID CONTACT WITH SKIN			
	S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE			
	S39	WEAR EYE/FACE PROTECTION			
16.0	Other information				
16.1	Select Bibliography	Regulation 67/548/EEC Regulation 91/155/CE Regulation 1999/45/CE Regulation 2001/58/CE Regulation 2001/59/CE Regulation 2001/60/CE			
16.2	HS Tariff No:	321590 00			
16.3	The information contained herein does not constitute the user's own assessment of workplace risk as required by other health and safety legislation. The above information is provided in good faith and is based on our present knowledge. It shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual arrangement.				