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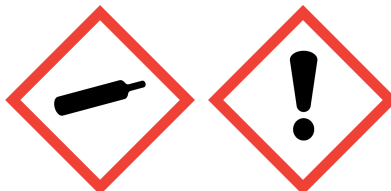
PRODUCT: Zenova FX500 Fire Extinguishing Spray - 500 g

CODE: AD-FX500

SECTION 01: IDENTIFICATION

Manufacturer..... Empack Spraytech Inc.
Product Identity..... Zenova FX500 Fire Extinguishing Spray - 500 g
Product Item Numbers..... AD-FX500
24 hour emergency telephone number..... CANUTEC: 1-613-996-6666.
Recommended Use..... Used to extinguish fire.

SECTION 02: HAZARD IDENTIFICATION



Label Elements:

Signal Word..... WARNING.

Hazard Classification:

Physical Hazards..... Aerosols - Category 3. Gases Under Pressure - Compressed gas.

Health Hazards..... Skin Irritation - Category 3. Eye Irritation - Category 2A.

Environmental Hazards..... Not Classified.

Hazard Statement..... H229:Pressurised container: May burst if heated (3). H280:Contains gas under pressure; may explode if heated (C). H316:Causes mild skin irritation. H319:Causes serious eye irritation.

Precautionary Statements:

Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking. P251:Do not pierce or burn, even after use.

Response..... P332+P317:If skin irritation occurs: Get medical help.

Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F.

P403:Store in a well ventilated place .

Disposal..... None.

Hazard(s) not otherwise classified (HNOC) Use only as directed. Direct eye contact may cause slight or mild, transient irritation. Do not use near eye or mouth areas and do not ingest. KEEP OUT OF REACH OF CHILDREN.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Ammonium Bicarbonate	1066-33-7	1-5
Diethylene glycol monobutyl ether	112-34-5	1-5
Tetrasodium EDTA	64-02-8	0.5-1.5

SECTION 04: FIRST-AID MEASURES

Skin Contact..... Immediately flush the contaminated skin with soap and water. If this chemical penetrates clothing, immediately remove the clothing and flush the skin with water. If irritation persists after washing, get medical attention . Remove contaminated clothing. Launder clothing before reuse. If irritation occurs consult with your doctor.

Eye Contact..... Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs. Get medical attention if irritation persists. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

Ingestion..... Do not induce vomiting, get medical attention. Rinse mouth. Obtain medical advice.

Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance. If breathing is difficult, give oxygen and get medical attention.

Most important symptoms/effects, acute .. Direct eye contact may cause temporary eye irritation.

and delayed

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

PRODUCT: Zenova FX500 Fire Extinguishing Spray - 500 g**CODE: AD-FX500****SECTION 05: FIRE-FIGHTING MEASURES**

General Fire Hazards..... Use as directed.
 Suitable Extinguishing Media..... Use media appropriate for surrounding fire and/or materials.
 Unsuitable Extinguishing Media..... None in particular.
 Specific Hazards Arising from the Chemical None known.
 Special Protective Equipment and Use self-contained breathing apparatus and protective clothing. Protective clothing for skin
 Precautions for Firefighters and eye protection should be worn to protect against corrosive materials.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Use personal protective equipment. Do not ingest. Avoid contact with eyes. Ensure
 Equipment and Emergency Procedures adequate ventilation.
 Methods and Materials for Containment .. Absorb Liquids in vermiculite, dry sand, earth, or similar inert material and deposit in sealed
 and Cleaning Up containers for disposal.
 Environmental Precautions..... Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent
 environmental contamination. Prevent further leakage or spillage if safe to do so. Avoid
 discharge into drains, water courses or onto the ground.

SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling..... Avoid contact with eyes. Avoid breathing vapours or spray mists of this product. Use with
 adequate ventilation. Keep away from heat, sparks, and open flames.
 Conditions for Safe Storage including any Store in a cool, dry, well-ventilated area away from incompatible substances. Store in a
 Incompatibilities tightly closed container. Do not store in direct sunlight.
 Storage Requirements..... Store in a cool, dry and well ventilated area. Keep containers securely sealed when not in
 use. Indoor storage should meet OSHA standards and appropriate fire codes.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
Diethylene glycol monobutyl ether	Not established	Not established	Not established	Not established	Not established
Tetrasodium EDTA	Not available	Not available	Not available	Not available	Not available
Appropriate Engineering Controls.....	Good general ventilation should be used. Ventilation rates should be matched to conditions. Use local exhaust ventilation to maintain airborne levels below the Threshold Limit Value. Ensure that eyewash stations and safety showers are available.				
Individual Protection Measures:					
Eye/Face Protection.....	Prevent eye contact, wear safety glasses in the event that eye contact is possible.				
Skin Protection.....	Use gloves and protective clothing against cold temperature made from viton, butyl rubber, PVC, neoprene or nitrile.				
Respiratory Protection.....	If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed.				
Thermal Hazards.....	None Known.				
General Hygiene Considerations.....	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance..... Colorless liquid .
 Odour..... Odorless.
 Odour Threshold (ppm)..... Not available.
 % Solids by Weight..... 2.0%.
 pH..... 9.2.
 Vapour Pressure (psig)..... Not available.
 Vapour Density (Air=1)..... Not available.
 Evaporation Rate (n-Butyl Acetate = 1)..... Not available.
 Density..... 8.94 lb/gal.
 Boiling Point (°C)..... Not available.
 Melting/Freezing Point (°C)..... Not available.
 VOC Content..... CARB = 0%.
 Relative Density/Specific Gravity..... 1.07.
 Solubility in water..... Soluble in water.
 Auto Ignition Temperature (liquid), °C..... Not available.
 Flash Point (°C), Method..... Not available.
 Decomposition Temperature..... Not available.

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Coefficient of Water/Oil Distribution..... Not available.
 Lower Explosive Limit (% vol)..... Not available.
 Upper Explosive Limit (% vol)..... Not available.
 Viscosity..... Not available.
 Kinematic Viscosity..... Not available.
 Kinematic Viscosity Temperature..... Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Product not reactive under normal conditions of use.
 Chemical Stability..... Stable at normal temperatures and pressures.
 Possibility of Hazardous Reactions..... Will not occur.
 Conditions to Avoid..... None.
 Incompatible Materials..... Acids.
 Hazardous Decomposition Products..... Oxides or carbon and nitrogen.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Diethylene glycol monobutyl ether	No data	4,500 mg/kg (Oral - Rat): 2,700 mg/kg (Dermal - Rabbit)
Tetrasodium EDTA	Not available	1,658 mg/kg (Oral - Rat)
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	Yes.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	Yes.	
Routes of entry - Skin Absorption.....	No.	
Symptoms Related to the Physical,	Irritant effects.	
Chemical and Toxicological Characteristics		
Acute Toxicity.....	No known significant effects.	
Skin Corrosion/Irritation.....	May cause mild skin irritation.	
Serious Eye Damage/Eye Irritation.....	Causes serious eye irritation.	
Respiratory or Skin Sensitization.....	Not expected to be a skin or respiratory sensitizers.	
Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.	
Carcinogenicity.....	Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.	
Reproductive Toxicity.....	Based on available data, the classification criteria are not met.	
STOT - Single Exposure.....	No data available .	
STOT - Repeated Exposure.....	Not classified.	
Aspiration Hazard.....	Based on available data, the classification criteria are not met.	
Chronic Effects.....	No long term chronic effects are known or anticipated.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... Complete information is not yet available. This product has not been tested. Based on information available on its ingredients, no adverse environmental impact is anticipated under intended use in accordance with instructions .

Persistence and degradability Diethylene glycol monobutyl ether. Readily biodegradable.

Bioaccumulation Potential..... The product itself has not been tested.

Mobility in Soil..... The product itself has not been tested.

Other Adverse Effects..... None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... Dispose in accordance with local, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.
 DOT (US-Road)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty., Consumer Commodity, ORM-D.
 IMDG (International- Marine)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.
 IATA (International- Air)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.

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SECTION 15: REGULATORY INFORMATION

Canada Regulations:.....	Refer to Section 2 for a WHMIS 2015 Classification for this product.
Domestic Substances List (DSL):.....	Yes.
US Regulations:.....	This product is considered hazardous under the OSHA Hazard Communication Standard.
California Proposition 65:.....	This product can expose you to chemicals including possible traces of PFOS, PFOA and variants of, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov .

SECTION 16: OTHER INFORMATION

Disclaimer:.....	The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Empack assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
Abbreviations:.....	ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.
Prepared by	Regulatory Affairs
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