

Safety Data Sheet (In according with 453/2010)	Update the date: Nov. 14, 2012
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1: Identification of the substance/Preparation and company

Product Name: SMI-RED 9
Company: YOU&I CORPORATION
Address: 8B-29L BANWOL IND. COMPLEX, 742-8 WONSI-DONG, DANWON-GU, ANSAN-SI, KYEONGGI-DO, KOREA
Name of the redactor: Mr. JOUN HEASOO
Redactor address: 8B-29L BANWOL IND. COMPLEX, 742-8 WONSI-DONG, DANWON-GU, ANSAN-SI, KYEONGGI-DO, KOREA
Redactor email: tech@youicolor.com
Emergency call: 82-10-2887-9040
Phone number: 82-31-494-2030
Fax number: 82-31-494-2050
Mail of company: itc@youicolor.com
Use of product: Writing ink

2. Hazard identification

2.1 Classification of the mixture: The mixture is not classified according European Regulation CLP N°1272/2008 with its adaptation
2.2 Label elements No marking according European Regulation CLP N°1272/2008
2.3 Other hazards None

3. Composition/information on ingredients

Ingredients	% Conc.	CAS No	EC No	Symbols	R-phrases
Aluminum	3.5	7429-90-5	231-072-3		F;R11-15;S2-7/8-43
Glycol monomethyl ether	10	107-98-2	203-539-13	 	R10-67;S2
C.I pigment Yellow 83	0.1	5567-15-7	226-939-8	Not classified	Not classified
C.I pigment Red 170	1.2	2786-76-7	220-509-3	Not classified	Not classified
Polyethylene glycol	8	25322-68-3	500-038-2	Not classified	Not classified
2-Amino-2-methyl-1-propanol	0.1	124-68-5	204-709-8	Not classified	Not classified
Water	77.1	7732-18-5		Not classified	Not classified

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4. First aid measures

After skin Contact	Wash off with soap and plenty of water.
After eye Contact	Flush eyes with water as a precaution. If irritations persist, consult your physician.
After ingestion	Drink plenty of water. Get medical attention.
After inhalation	Drink plenty of water. Get medical attention.

5. Fire fighting Measures

Suitable Extinguishing Media	Use extinguishing measures that are local circumstance and the surrounding environment; foam, fire-extinguishing powder, Dry powder.
Combustion products and resulting gases	Combustible material, Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air at elevated temperatures.
Special Protective Equipment	Development of hazardous combustion gases or vapors possible in the event of fire. Pay attention to flashback. Do not stay in dangerous zone without self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing. In the event of fire, wear self-contained breathing apparatus.

6. Accidental release Measures

Personal Protection	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental Protection	Do not let product enter drains
Methods for cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling Precautions	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage Precautions	Store in cool place. Keep container tightly closed in a dry and well ventilated place. Air sensitive. Keep from freezing; Material may coagulate. The recommended storage temperature is between 0°C~30°C (32°F~86°F).

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8. Exposure controls/personal protection

Respiration Protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand Protection	Handle with protective gloves.
Eye Protection	Safety glasses.
Skin Protection	Choose body protection according to the amount and concentration of the dangerous substance at the work place.

9. Physical and chemical properties

Appearance	liquid	Auto flammability	N/A
Color	RED	Explosive properties	N/A
Odour	Slight odor	Oxidizing properties	N/A
PH	8.5 ±1.0	Vapor pressure	N/A
Boiling point/boiling range	>100°C	Relative density	N/A
Melting point/melting range	N/A	Solubility in water	Soluble
Flash point	Non-flammable	Partition coefficient	N/A
Flammability	N/A	Others	N/A

10. Stability and reactivity

Conditions to Avoid	The product itself is non-reactive under a normal temperature. Prevent the contact with the high temperatures, sparks and naked flame. Larger quantities of melted substances can be subject to spontaneous ignition in air. Exposure to moisture.
Material to Avoid	Hazardous decomposition products formed under fire conditions. –Aluminum oxide, Carbon oxides, Nitrogen. In case of fire pigments may evolve carbon monoxide and other toxic compounds.
Hazardous reactions	Avoid strong oxidizing agents such as peroxides, chlorates, perchlorates, nitrates, and permanganates. Oxidizing materials may vigorously evolve oxygen, in large amounts. This product is a stable compound and hazardous polymerization will not occur.

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11. Toxicological information

Inhalation	The components of this product are not expected to be harmful by ingestion.
Ingestion	The components of this product are not expected to be harmful by ingestion.
Skin contact	Irritating effect possible
Eye contact	Irritating effect possible
Carcinogenicity	This product is not a carcinogen
Other	..

12. Ecological information

Biodegradability	Not biomagnified in environment.
Bioaccumulative	Not bioconcentrated in environment.
Aquatic toxicity	Do not allow to enter waters, waste waters, or soil.
Others	..

13. Disposal considerations

Methods of disposal	<p>This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.</p> <p>Contact a licensed professional waste disposal service to dispose of this material.</p>
Dangers in disposal	..

14. Transport information

UN number	..
Hazard class	..
Packing group	..
Air transport	..
Sea transport	..
Inland transport	..

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15. Regulatory information

Marking according to EU regulations	Observe the general safety regulations when handling chemicals. The product is no subjected to identification European Regulation CLP N°1272/2008
Others	..

16. Other information

The recommendations and information contained in this MSDS have been compiled from sourced believed to represent the most current information available when the MSDS was prepared. However, neither the manufacturer nor the correctness or large amounts and/or an unusual manner, the user is obligated to determine waht safty measures are appropriate, including the applicable and relevant workplace and environment regulations pertaining to handing, use and disposal.

SEARCH HELP:

1.SDS insstruction:

<http://www.ohs.com.cn/icsce/icscsyjs.asp>

2.CAS SEARCH:

<http://www.chemquik.com/site/cq/msds-search.asp>

3.CHEMICAL DATEBASE SEARCH:

<http://ull.chemisty.uakron.edu/erd/>

4.SDS SAMPLES:

<http://hazard.com/msds/>

http://www.cdgkonig.com/MSDS_Konig_PDF/141000.pdf

http://www.jmoritausa.com/Marketing/pdf/Mbond_IFU.PDF

<http://msds.hach-lange.com/hachlange/english/LKM103.pdf>