

MATERIAL SAFETY DATA SHEET

State Chemical Division – State Industrial Products
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State Chemical Ltd.
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(905) 670-4669

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **SOS**
Product Description: A formulated aerosol vandal mark remover.

24 Hour CHEMTREC Number: 800-424-9300
MSDS Number: M00547

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Xylene	1330-20-7	< 35%	100 ppm	100 ppm
Methyl Ethyl Ketone	78-93-3	< 40%	200 ppm	200 ppm
Propane	74-98-6	< 15%	2500 ppm	1000 ppm
Butane	106-97-8	< 7.0%	800 ppm	800 ppm
Methanol	67-56-1	< 5.0%	200 ppm	200 ppm
Heavy Napthenic Petroleum Oil	64742-52-5	< 3.0%	NE	NE
Ethylbenzene	100-41-4	< 7.0%	100 ppm	100 ppm

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Extremely flammable. Contents under pressure. Do not puncture, incinerate or expose to temperature above 120°F(49°C). Vapor harmful. Eye, skin and respiratory irritant.

POTENTIAL HEALTH EFFECTS

Routes of Exposure: Exposure may be by inhalation and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation and personal protective equipment.

Eye Contact: May cause eye irritation. Redness and itching or burning sensation may indicate excessive exposure.

Skin Contact: May cause skin irritation. Redness and itching or burning sensation may indicate excessive exposure.

Inhalation: May cause irritation of the respiratory system. May cause nervous system depression. Headache, nausea, dizziness and loss of coordination are indications of excessive exposure to vapors or spray mists. Extreme overexposure may result in unconsciousness and possibly death.

General: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged overexposure to solvent ingredients may cause adverse effects to the liver, urinary and reproductive systems. Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

4. FIRST AID MEASURES

Eye Contact: Promptly flush with a large amount of water for at least 15 minutes. If irritation persists, consult a physician.

Skin Contact: Promptly wash affected area thoroughly with soap and water. Remove contaminated clothing and laundry before reuse. If irritation persists, consult a physician.

Inhalation: Remove to fresh air. Restore breathing if necessary. If irritation persists, consult a physician

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Flashpoint(Method): 21°F (TCC).

Lower Explosive Limit(LEL): 1.0 Upper Explosive Limit(UEL): 36.5 Autoignition Temperature: NA

Fire and Explosion Hazards: Vapors will accumulate readily and may ignite explosively. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode (due to build-up of pressure) when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Extinguishing Media: Carbon dioxide, dry chemical, foam.

Fire Fighting Instructions: Full protective equipment including self-contained breathing apparatus should be used. Water spray maybe ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area and remove with inert absorbent. Dispose of in accordance with all Federal, State and Local Regulations regarding waste disposal. Product as supplied is a DOO1 unspecified ignitable waste.

7. HANDLING AND STORAGE

Keep away from heat, flames, sparks or other sources of ignition. Consult NFPA Code. Use approved bonding and grounding procedures. Contents under pressure. Do not puncture, incinerate or expose to temperature above 120°F(49°C). Heat from sunlight, radiators, stoves, hot water and other heat sources could cause container to burst. Do not take internally. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Keep out of reach of children. Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Local exhaust preferable. General exhaust acceptable if the exposure to materials is maintained below applicable exposure limits.

Personal Protective Equipment:

Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted NIOSH-approved organic vapor/particulate respirator.

Eye: Wear approved safety glasses with unperforated sideshields.

Skin: None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemically resistant gloves.

Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear.	Odor:	Solvent.
Physical State:	Liquid aerosol.	pH:	NA
Product Weight:	6.39lb/gal; 765 g/l.	Specific Gravity:	0.77
Boiling Point:	< 0 - 292°F; < -18 - 144°C	Vapor Density:	Heavier than air.
Evaporation Rate:	Faster than Ether.	Solubility in Water:	NA
Vapor Pressure@70°F:	NA	VOC Content:	96.10%

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Heat, sparks, flames or other sources of ignition.
Incompatibility:	None expected.
Hazardous Decomposition Products:	By Fire: Carbon Dioxide, Carbon Monoxide.

11. TOXICOLOGICAL INFORMATION

Ethylbenzene is classified by IARC as possibly carcinogenic to humans.

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Xylene	1330-20-7	4.3 g/kg (oral rat)	6350 ppm/4 hr (rat)
Methyl Ethyl Ketone	78-93-3	2.9 g/kg (oral rat)	11,700 ppm 4 hr (rat)
Propane	74-98-6	NE	NE
Butane	106-97-8	NE	658 mg/l/4 hr (rat)
Methanol	67-56-1	9100 mg/kg (oral rat)	29.4 g/l/96 hr (flathead minnow)
Heavy Napthenic Petroleum Oil	64742-52-5	NE	NE
Ethylbenzene	100-41-4	3500 mg/kg (oral rat)	12.1 mg/l/96 hr (flathead minnow)

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATIONS

Do not incinerate. Depressurize container. Dispose of in accordance with all Federal, State and Local Regulations regarding pollution and waste disposal. Product as supplied is a DOO1 unspecified ignitable waste.

14. TRANSPORT INFORMATION

DOT Shipping Data:	Consumer Commodity, ORM-D. After 12/31/13: Ship: Limited Quantity
Canadian TDG:	Shipped in accordance with 49 CFR as part of a transborder shipment authorized under Section 5.2 (1) of the Canadian Transportation of Dangerous Goods.
For International Shipments by Air:	Aerosols, Flammable, 2.1, UN1950.
For International Shipments by Vessel:	Aerosols, Flammable, 2.1, UN1950, Limited Quantity.

15. REGULATORY INFORMATION

TSCA:	All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.		
CEPA:	All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.		
Proposition 65:	This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.		
	Ethylbenzene	100-41-4	6%
SARA 313:	This product contains the following toxic chemicals that are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372.65C):		
	Methanol	67-56-1	3%
	Methyl Ethyl Ketone	78-93-3	39%
	Xylene	1330-20-7	34%
	Ethylbenzene	100-41-4	6%

HMIS Classification:	Health = 3	Flammability = 4	Reactivity = 0	Personal Protection = B
WHMIS Classification:	Class A; Class B, Division 5; Class D, Division 2B			

16. OTHER INFORMATION

NA = Not Available or Not Applicable
NE = Not Established

Read and follow all label directions and precautions before using the product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

HEALTH AND SAFETY INFORMATION: (216) 861-7114

Prepared On: January 2014

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Completed By: Regulatory Affairs Specialist.