

# MATERIAL SAFETY DATA SHEET

State Chemical Division – State Industrial Products  
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Ohio 44124-4034 -- 866-747-2229

State Chemical Ltd.  
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(905) 670-4669

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **CONVERTER COAT**  
Product Description: An aerosol rust converter.

24 Hour CHEMTREC Number: 800-424-9300  
MSDS Number: M01307

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Ethylene Glycol Monobutyl Ether	111-76-2	< 5.0%	20 ppm	20 ppm
Acetone	67-64-1	< 40%	500 ppm	1000 ppm
Methyl Ethyl Ketone	78-93-3	< 20%	200 ppm	200 ppm
Dimethyl Ether	115-10-6	< 35%	NE	NE

## 3. HAZARDS IDENTIFICATION

### \*\*\*EMERGENCY OVERVIEW\*\*\*

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

### 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. Avoid prolonged skin contact. Contains 2-Butoxyethanol which may be absorbed through skin. Redness and itching or burning sensation may indicate excessive exposure.

Ingestion: May be harmful if swallowed. Vomiting is a sign of overexposure.

Inhalation: May irritate respiratory tract. Difficulty breathing is a sign of overexposure.

General: May cause dizziness or narcosis at high vapor concentrations. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Headache, dizziness, nausea and loss of coordination are indications of excessive exposure to vapors or spray mists. Prolonged exposure to solvent ingredients may cause adverse effects to the liver, urinary, blood forming and reproductive systems. Reports have associated repeated or prolonged exposure to solvents with permanent brain and nervous system damage. Methyl Ethyl Ketone may increase the nervous system effects of other solvents. Methyl Ethyl Ketone may cause embryotoxic effects in laboratory animals. Deliberately concentrating and inhaling the vapor of the contents may be harmful or fatal. Long term exposure to 2-Butoxyethanol may cause blood cell abnormalities; lung, liver, kidney or nervous system damage.

## 4. FIRST AID MEASURES

Eye Contact: Promptly flush with a large amount of water for at least 15 minutes. Seek medical attention.

Skin Contact: Promptly wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.

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

Ingestion: Give several glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

## 5. FIRE FIGHTING MEASURES

Flashpoint: Propellant < 0°F

Lower Explosive Limit(LEL): 1.1 Upper Explosive Limit(UEL): 27.0 Autoignition Temperature: NA

Fire and Explosion Hazards: Heated cans may burst. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode 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 D001 unspecified ignitable waste.

## 7. HANDLING AND STORAGE

Keep away from heat, flames, sparks or other sources of ignition. Vapors will accumulate readily and may ignite explosively. Do not smoke. Extinguish all flames, pilot lights and heaters. Turn off stoves, electric tools and appliances. 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. When spraying more than one half can continuously or more than one can consecutively, use NIOSH-approved respirator.

## 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:	Aerosol.	pH:	NA
Product Weight:	6.50 lb/gal; 778 g/l	Specific Gravity:	0.78
Boiling Point:	< 0 to 343°F; < 18 - 172°C	Vapor Density:	Heavier than air.
Evaporation Rate:	Faster than Ether.	Solubility in Water:	NA
Vapor Pressure@70°F:	NA	VOC Content:	50.93%

## 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

IARC / NTP / OSHA: This product contains no ingredients at 0.1% or greater that is listed as a human carcinogen.

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Ethylene Glycol Monobutyl Ether	111-76-2	1480 mg/kg (oral rat)	700 ppm/7 hr (mouse)
Acetone	67-64-1	10.7 ml/kg (oral rat)	5540 mg/l/96 hr (rainbow trout)
Methyl Ethyl Ketone	78-93-3	2.9 g/kg (oral rat)	11,700 ppm 4 hr (rat)
Dimethyl Ether	115-10-6	NE	NE

## 12. ECOLOGICAL INFORMATION

NA

## 13. DISPOSAL CONSIDERATIONS

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability and extractability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State and Local Regulations.

## 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 may contain trace amounts of the following chemicals that are known to the state of California to cause cancer, birth defects or other reproductive harm:  
Acetaldehyde 75-07-0 < 0.01%  
Formaldehyde 50-00-0 < 0.01%  
Benzene 71-43-2 < 0.01%  
SARA 313: This product contains that 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):  
Methyl Ethyl Ketone 78-93-3 17%

HMIS Classification: Health = 2 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

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Completed By: Regulatory Affairs Specialist.