

# MATERIAL SAFETY DATA SHEET

State Chemical Division – State Industrial Products  
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State Chemical Ltd.  
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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **OFF**  
Product Description: An aerosol window de-icer.

24 Hour CHEMTREC Number: 800-424-9300  
MSDS Number: M00440

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Methanol	67-56-1	< 65%	200 ppm	200 ppm
Ethylene Glycol	107-21-1	< 7.0%	100 mg/m3	125 mg/m3
Carbon Dioxide	124-38-9	< 5.0%	5000 ppm	5000 ppm

## 3. HAZARDS IDENTIFICATION

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

Danger. Poison. Flammable. Harmful or fatal if swallowed. 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: Vapors will irritate the eyes. Liquid and mists can severely irritate or damage the eyes and cause corneal burns.

Skin Contact: Brief contact may dry the skin or cause burning or stinging sensation. Prolonged or repeated contact may irritate the skin causing dermatitis.

Ingestion: Swallowing large quantities causes headaches, nausea, vomiting, stomach cramps, diarrhea and may cause unconsciousness and possibly death.

Inhalation: Vapors and mists irritate the nose and throat. Inhalation at higher concentrations may cause headaches, vomiting and coma. Inhalation of very high concentrations or prolonged exposure may cause unconsciousness and possibly death.

General: Persons with pre-existing diseases of the retina or liver may have increased susceptibility to the toxicity of excessive exposures. Effects of overexposure may include nonspecific discomfort such as nausea, headache or weakness. May cause temporary nervous system depression with anesthetic effects such as dizziness, headache, confusion, in-coordination and loss of consciousness or blindness. Skin permeation can occur in amounts capable of producing system toxicity.

## 4. FIRST AID MEASURES

Eye Contact: Promptly flush with a large amount of water for at least 15 minutes lifting upper and lower eyelids. Seek immediate medical attention.

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

Inhalation: Remove to fresh air. Restore breathing if necessary. Seek immediate medical attention.

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

## 5. FIRE FIGHTING MEASURES

Flashpoint: Flame extension > 18 inches.

Lower Explosive Limit(LEL): 3.2 Upper Explosive Limit(UEL): 36.5 Autoignition Temperature: NA

Fire and Explosion Hazards: Heated cans may burst. This product is flammable and the flame is invisible in daylight. Vapors are heavier than air and may travel long distances and accumulate in low areas or spread along ground away from handling sight.

Extinguishing Media: Carbon Dioxide, dry chemical, alcohol foam.

Fire Fighting Instructions: Full protective equipment including self-contained breathing apparatus should be used.

## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Remove all sources of ignition. Dike and contain spill. Use inorganic, non-combustible absorbent material and transfer to proper container. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with all Federal, State and Local Regulations regarding waste disposal.

## 7. HANDLING AND STORAGE

Keep away from heat, flames, sparks or other sources of ignition. 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 a NIOSH approved respirator. Do not puncture, incinerate or expose to temperature above 120°F(49°C). Do not smoke while 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: Wear chemically impervious gloves. Wear long sleeves and long pants.

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:	Water white.	Odor:	Alcohol.
Physical State:	Liquid aerosol.	pH:	7.0
Product Weight:	7.17 lbs/gal	Specific Gravity:	0.86
Boiling Point:	< 0 - 388°F	VOC Content:	68.05%
Vapor Pressure @ 25°C:	NA	Vapor Density:	Heavier than air.
Evaporation Rate :	Faster than Ether.	Solubility in Water:	NA

## 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: Carbon Dioxide, Carbon Monoxide.

## 11. TOXICOLOGICAL INFORMATION

IARC / NTP / OSHA: This product contains no ingredient 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>
Methanol	67-56-1	9100 mg/kg (oral rat)	29.4 g/l/96 hr (flathead minnow)
Ethylene Glycol	107-21-1	8.57 g/kg (oral rat)	> 10000 mg/l/96 hr (flathead minnow)
Carbon Dioxide	124-38-9	NE	240 mg/l/1 hour (trout)

## 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 regarding pollution and waste disposal.

## 14. TRANSPORT INFORMATION

DOT Shipping Data: Consumer Commodity, ORM-D.  
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 no chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.  
SARA 313: This product contains the following chemicals 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 < 65%  
Ethylene Glycol 107-21-1 < 7.0%

HMIS Classification: Health = 3 Flammability = 3 Reactivity = 0 Personal Protection = B

WHMIS Classification: Class A; Class B, Division 5; Class D, Division 1B

## 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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