

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

**Product Identifier:** WINDSHIELD DEICER  
**Recommended Use:** PRESSURIZED ALCOHOL – BASED DEICER.  
**Restrictions on Use:** INDUSTRIAL USE ONLY  
**Supplier:** SHARE CANADA  
**Address:** 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7  
Telephone Number: (204) 633-8553 Fax: (204) 633-8453  
**Emergency telephone number:** CANUTEC: (613) 996-6666

## SECTION 2 - HAZARDS IDENTIFICATION

WHMIS 2015 hazard classification: FLAMMABLE AEROSOL, ACUTE TOXIC (ORAL, DERMAL, INHALATION) SPECIFIC TARGET ORGAN TOXIC – SINGLE EXPOSURE.

Hazard Pictograms:



**Signal word:** DANGER  
**Hazard statement(s):** EXTREMELY FLAMMABLE AEROSOL. CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED. TOXIC IF SWALLOWED, IN CONTACT WITH THE SKIN OR IF INHALED. CAUSES DAMAGE TO ORGANS (EYES, SKIN, RESPIRATORY SYSTEM, GASTROINTESTINAL TRACT)  
**Precautionary statements:** KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAME AND OTHER IGNITION SOURCES. NO SMOKING . DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCES  
PRESSURIZED CONTAINER. DO NOT PIERCE OR BURN, EVEN AFTER USE  
DO NOT BREATHE FUME, MIST, SPRAY, VAPOURS. WASH THOROUGHLY AFTER HANDLING. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT  
USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. WEAR PROTECTIVE GLOVES, PROTECTIVE CLOTHING, EYE PROTECTION. TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE RE-USE.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS REGISTRY NUMBER	CONCENTRATION %
METHANOL	67-56-1	90-100%
CARBON DIOXIDE, LIQUIFIED UNDER PRESSURE	124-38-9	1 – 10 %
1, 2 – PROPANOL	57-55-6	1 – 10 %

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#### **SECTION 4 – FIRST AID MEASURES**

**First-aid measures general: IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE. (SHOW LABEL WHERE POSSIBLE)**

**First-aid measures after inhalation: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. IF BREATHING IS DIFFICULT, GIVE OXYGEN. ARTIFICIAL RESPIRATION AND / OR OXYGEN IF NECESSARY. RESPIRATORY PROBLEMS: CONSULT A DOCTOR / MEDICAL SERVICE.**

**First-aid measures after skin contact: RINSE SKIN WITH WATER/SHOWER. SOAP MAY BE USED. TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE RE-USE. IMMEDIATELY CALL A POISON CONTROL CENTRE OR DOCTOR.**

**First-aid measures after eye contact: RINSE IMMEDIATELY WITH PLENTY OF WATER. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE / ATTENTION.**

**First-aid measures after ingestion: DO NOT INDUCE VOMITING. IMMEDIATELY CALL A POISON CONTROL CENTRE OR DOCTOR / PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**

**Symptoms / effects: CAUSES DAMAGE TO ORGANS. TOXIC IF SWALLOWED, IN CONTACT WITH THE SKIN OR IF INHALED.**

**Symptoms / injuries after inhalation: TOXIC IF INHALED.**

**Symptoms / injuries after skin contact: TOXIC IN CONTACT WITH THE SKIN.**

**Symptoms / injuries after eye contact: MAY CAUSES SEVERE IRRITATION.**

**Symptoms / injuries after ingestion: TOXIC IF SWALLOWED**

**Indication of any immediate medical attention and special treatment needed: TREAT SYMPTOMATICALLY.**

#### **SECTION 5 – FIRE FIGHTING MEASURES**

**Suitable extinguishing media: WATER FOG, DRY CHEMICAL POWDER, CARBON DIOXIDE.**

**Fire hazard: FLAMMABLE AEROSOL. UNDER FIRE CONDITIONS CLOSED CONTAINERS MAY RUPTURE OR EXPLODE.**

**Explosion hazard: CONTAINS GAS UNDER PRESSURE. MAY EXPLODE IF HEATED. BURSTING AEROSOL CONTAINERS MAY BE PROPELLED FROM FIRE AT HIGH SPEED.**

**Reactivity: ON COMBUSTION, CARBON MONOXIDE AND CARBON DIOXIDE ARE FORMED.**

**Firefighting instructions: EXERCISE CAUTION WHEN FIGHTING ANY CHEMICAL FIRE. USE WATER SPRAY OR FOG FOR COOLING EXPOSED CONTAINERS.**

**Protection during firefighting: DO NOT ATTEMPT TO TAKE ACTION WITHOUT SUITABLE PROTECTIVE EQUIPMENT.**

#### **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**General measures: EVACUATE UNNECESSARY PERSONNEL. ISOLATE FROM FIRE, IF POSSIBLE, WITHOUT UNNECESSARY RISK. NO FLAMES, NO SPARKS. ELIMINATE ALL SOURCES OF IGNITION.**

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**For non-emergency personnel:**

**Protective equipment: DO NOT ENTER WITHOUT APPROPRIATE PROTECTIVE EQUIPMENT.**

**Emergency procedures: EVACUATE UNNECESSARY PERSONNEL.**

**For emergency responders:**

**Protective equipment: EQUIP CLEAN UP CREW WITH PROPER PROTECTION.**

**Emergency procedures: STOP LEAK IF SAFE TO DO SO. STOP RELEASE. VENTILATE AREA.**

**Environmental precautions: PREVENT ENTRY TO SEWERS AND PUBLIC WATERS. DO NOT ALLOW TO ENTER DRAINS OR WATER COURSES.**

**Methods and material for containment and cleaning up: STOP LEAK IF SAFE TO DO SO. ISOLATE AREA UNTIL GAS HAS DISPERSED. ELIMINATE EVERY POSSIBLE SOURCE OF IGNITION. USE WATER SPRAY TO DISPERSE VAPOURS. CONTAIN SPILLAGE.**

**Methods for cleaning up: TAKE UP LIQUID SPILL INTO INERT ABSORBENT MATERIAL.**

**Reference to other sections: NO ADDITIONAL INFORMATION AVAILABLE.**

## **SECTION 7 – HANDLING AND STORAGE**

**Precautions for safe handling: PRESSURIZED CONTAINER. DO NOT PIERCE OR BURN EVEN AFTER USE. AVOID CONTACT WITH THE SKIN, EYES AND CLOTHING. KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING. AVOID BREATHING VAPOURS, MIST. USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE.**

**Technical measures: DO NOT PUNCTURE, INCINERATE OR CRUSH.**

**Storage conditions: KEEP CONTAINER TIGHTLY CLOSED. STORE IN A DRY, WELL-VENTILATED PLACE. KEEP OUT OF THE REACH OF CHILDREN.**

**Incompatible products: STRONG ACIDS, ALKALIS, OXIDIZING AGENTS.**

**Heat and ignition sources: KEEP AWAY FROM IGNITION SOURCES, HEAT SOURCES, OPEN FLAME.**

**Storage area: STORE IN A COOL AREA. STORE AWAY FROM HEAT. AEROSOL 1.**

## **SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control parameters: METHANOL ACGIH: ACGIH TWA (ppm) 200 ppm  
ACGIH STEL (ppm) 250 ppm**

**ACGIH Remark: HEADACHE, EYE DAMAGE, DIZZINESS, NAUSEA.**

**OSHA PEL TWA (mg/m<sup>3</sup>) 260 mg/m<sup>3</sup> OSHA PEL (ppm) 200 ppm**

**CARBON DIOXIDE, LIQUIFIED UNDER PRESSURE (124-38-9)**

**ACGIH TWA (ppm) 5000 ppm ACGIH STEL (ppm) 30000 ppm**

**Exposure controls: EMERGENCY EYEWASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE. ENSURE GOOD VENTILATION OF THE WORK STATION.**

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**Personal protective equipment: USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WHEN RISK ASSESSMENT INDICATES THIS IS NECESSARY. GLOVES. PROTECTIVE GOGGLES. PROTECTIVE APRON, PROTECTIVE CLOTHING.**



**INSUFFICIENT VENTILATION: WEAR RESPIRATORY PROTECTION.**

## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state:</b>	<b>AEROSOL</b>
<b>Colour and appearance:</b>	<b>CLEAR, COLOURLESS LIQUID</b>
<b>Odour:</b>	<b>SOLVENT ODOUR.</b>
<b>Odour threshold:</b>	<b>NO DATA AVAILABLE</b>
<b>pH:</b>	<b>NO DATA AVAILABLE</b>
<b>Melting point:</b>	<b>NO DATA AVAILABLE</b>
<b>Freezing point:</b>	<b>NO DATA AVAILABLE</b>
<b>Boiling point:</b>	<b>NO DATA AVAILABLE</b>
<b>Flash point:</b>	<b>11 ° C (LIQUID PORTION BASED ON LOWEST FLASHPOINT OF THE PRODUCT'S CONSTITUENTS)</b>
<b>Relative evaporation rate (butyl acetate = 1)</b>	<b>NO DATA AVAILABLE</b>
<b>Flammability (solid, gas):</b>	<b>NO DATA AVAILABLE</b>
<b>Explosive properties:</b>	<b>NO DATA AVAILABLE</b>
<b>Oxidizing properties:</b>	<b>NO DATA AVAILABLE</b>
<b>Vapour pressure:</b>	<b>NO DATA AVAILABLE</b>
<b>Relative density:</b>	<b>NO DATA AVAILABLE</b>
<b>Relative vapour density at 20 °C:</b>	<b>NO DATA AVAILABLE</b>
<b>Specific gravity /density:</b>	<b>0.8 g / L</b>
<b>Solubility:</b>	<b>SOLUBLE IN WATER</b>
<b>Log Pow:</b>	<b>NO DATA AVAILABLE</b>
<b>Log Kow:</b>	<b>NO DATA AVAILABLE</b>
<b>Auto-ignition temperature:</b>	<b>NO DATA AVAILABLE</b>
<b>Decomposition temperature:</b>	<b>NO DATA AVAILABLE</b>
<b>Viscosity:</b>	<b>NO DATA AVAILABLE</b>
<b>Viscosity, kinematic:</b>	<b>NO DATA AVAILABLE</b>
<b>Viscosity, dynamic:</b>	<b>NO DATA AVAILABLE</b>
<b>VOC content.</b>	<b>&gt; 95 %</b>

## **SECTION 10 - STABILITY AND REACTIVITY**

**Reactivity: ON COMBUSTION CARBON MONOXIDE AND CARBON DIOXIDE ARE FORMED**

**Chemical stability: STABLE AT NORMAL CONDITIONS**

**Conditions to avoid: HEAT. NO FLAMES, NO SPARKS, ELIMINATE ALL SOURCES OF IGNITION, WELDING, OPEN FLAME, DIRECT SUNLIGHT.**

**Incompatible materials: STRONG ACIDS, ALKALIS, OXIDIZING AGENTS.**

**Hazardous decomposition products: UNDER NORMAL CONDITIONS OF STORAGE**

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AND USE, HAZARDOUS DECOMPOSITION PRODUCTS SHOULD NOT BE PRODUCED.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Acute toxicity: Not classified.

METHANOL (67-56-1	LD 50 DERMAL RABBIT 12800 mg/kg
	ATE CLP ORAL 100 mg/kg body weight
	ATE CLP DERMAL 300 mg/kg body weight
	ATE CLP VAPOURS 128.2 mg/L 4 h
	ATE CLP DUST /MIST .5 mg/L 4 h

1, 2 – PROPANOL 57-55-6	LD 50 ORAL RAT 22000 mg/kg (Rat, Experimental value)
	LD 50 DERMAL RABBIT > 2000 mg/kg body weight (24 h, Rabbit, Experimental value)
	ATE CLP ORAL 20000 mg/kg body weight
	ATE CLP DERMAL 20800 mg/kg body weight

Skin corrosion/irritation: NOT CLASSIFIED  
Serious eye damage/irritation: NOT CLASSIFIED.  
Respiratory or skin sensitization: NOT CLASSIFIED  
Germ cell mutagenicity: NOT CLASSIFIED  
Carcinogenicity: NOT CLASSIFIED  
Reproductive toxicity: NOT CLASSIFIED  
Specific target organ toxicity (single exposure): CAUSES DAMAGE TO ORGANS  
(EYES, SKIN, RESPIRATORY SYSTEM, CENTRAL NERVOUS SYSTEM,  
GASTROINTESTINAL TRACT)  
Specific target organ toxicity (repeated exposure): NOT CLASSIFIED  
Aspiration hazard: NOT CLASSIFIED  
Symptoms / injuries after inhalation: TOXIC IF INHALED.  
Symptoms / injuries after skin contact: TOXIC IN CONTACT WITH THE SKIN.  
Symptoms / injuries after eye contact: MAY CAUSE SEVERE IRRITATION  
Symptoms /injuries after ingestion: TOXIC IF SWALLOWED.  
Likely routes of exposure: INHALATION, EYES, DERMAL, INGESTION.

**SECTION 12 - ECOLOGICAL INFORMATION**

Ecology (General): NO ADDITIONAL INFORMATION AVAILABLE  
Persistence and degradability: NO ADDITIONAL INFORMATION AVAILABLE  
Bioaccumulation potential: NO ADDITIONAL INFORMATION AVAILABLE

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste disposal recommendations: THIS MATERIAL AS SUPPLIED, IS A HAZARDOUS WASTE. DISPOSE OF CONTAINER / CONTENTS TO COMPLY WITH LOCAL / REGIONAL / NATIONAL REGULATIONS.**

**SECTION 14 – TRANSPORT INFORMATION**

**T.D.G. Shipping Name: AEROSOLS, FLAMMABLE Class: 2.1  
UN Number: UN 1950  
Packing Group: Not applicable.  
Limited quantity exemption: CONTAINER UNDER 1 LITRE.**

**SECTION 15 - REGULATORY INFORMATION**

**THE CLASSIFICATION, LABEL AND SDS COMPLIES WITH THE REQUIREMENTS OF WHMIS 2015**

**SECTION 16 - OTHER INFORMATION**

**Information Sources: SUPPLIER'S SDS  
Prepared by: SHARE CANADA  
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Latest revision date: AUGUST 1, 2018**