



SAFETY DATA SHEET

Issue Date 14-Nov-2007

Revision Date 28-Feb-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name DLX Supreme Windshield De-Icer Solvent #750

Other Means of Identification

SDS # CALWIS-002

UN/ID No

UN1993

Synonyms

DLX Supreme Windshield De-Icer Solvent #750
DLX Supreme Windshield De-Icer Solvent #750-55

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Windshield de-icer solvent.

Details of the Supplier of the Safety Data Sheet

Supplier Address

Calwis Company
901 Hinkle Street
Green Bay, WI 54303

Emergency Telephone Number

Company Phone Number

1-920-499-4990

Emergency Telephone

INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 2
Flammable liquids	Category 3

Signal Word

Danger

Hazard Statements

Toxic if swallowed
Toxic in contact with skin
Toxic if inhaled
Causes severe eye irritation
Causes damage to organs
May cause damage to organs through prolonged or repeated exposure
Flammable liquid and vapor

**Appearance** Clear to purple liquid**Physical State** Liquid**Odor** Fragranced methanol odor**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use explosion-proof equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Wear protective gloves/protective clothing/eye protection/face protection
 Keep cool

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Rinse mouth
 In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

Not Applicable

Other Information

Not Applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

DLX Supreme Windshield De-Icer Solvent #750
 DLX Supreme Windshield De-Icer Solvent #750-55.

Chemical Name	CAS No	Weight-%
Non-hazardous Ingredients	Proprietary	55-65
Methanol	67-56-1	35-45
Ethylene glycol	107-21-1	3

4. FIRST AID MEASURES

First Aid Measures

General advice	If exposed or concerned: Get medical advice/attention.
Inhalation	Remove to fresh air. Restore breathing. Get medical attention if necessary.
Eye Contact	Flush immediately eyes thoroughly with water for at least 15 minutes. Call a physician if irritation persists.
Ingestion	Induce vomiting if discovered within 2 hours. Call a physician or poison control center immediately.
Skin Contact	Wash off immediately with soap and plenty of water. Get medical attention if necessary. Remove contaminated clothing and shoes.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	May produce dermatitis and scaling on chronic skin contact. Ingestion may cause visual impairment. Irritation of eyes and mucous membranes. Nausea and dizziness.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically. Ethanol may inhibit methanol metabolism.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO₂). Dry chemical. Alcohol resistant foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Methanol burns almost clear. Vapors are heavier than air and may travel along ground to ignition sources and flash back. Use water to keep fire-exposed structures and container cool.

Hazardous combustion products Carbon oxides. Carbon monoxide. Carbon dioxide (CO₂).

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions	Use personal protection recommended in Section 8.
Other Information	Ventilate the area.
Environmental Precautions	See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

Methods for Containment ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Dike and contain spill with inert material (sand, earth, etc).

Methods for Cleaning Up Clean up in accordance with all applicable regulations. Use only non-sparking tools. Remove all sources of ignition. For small spills, absorb with sand, clay, or other inert absorbent.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Use spark-proof tools and explosion-proof equipment. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep cool. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. All equipment used when handling the product must be grounded. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Take precautionary measures against static discharges. Use personal protective equipment as required. Empty containers may contain flammable residual vapors.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store locked up. Store in a well-ventilated place. Keep container tightly closed. Do not handle or store near any sources of ignition.

Incompatible Materials Oxidizing materials. Organic acids. Inorganic acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methanol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 260 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m ³ (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 325 mg/m ³
Ethylene glycol 107-21-1	Ceiling: 100 mg/m ³ aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m ³	-

Appropriate Engineering Controls

Engineering Controls Good general ventilation should be used.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Wear approved safety goggles.

Skin and Body Protection Wear protective gloves and protective clothing.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. Avoid contact with eyes, skin and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Fragranced methanol odor
Appearance	Clear to purple liquid	Odor threshold	Not determined
Color	Clear to purple		
Property	Values	Remarks • Method	
pH	Not determined		
Melting point/freezing point	Not determined		
Boiling point/boiling range	68 °C / 155 °F	(at 760 mm Hg)	
Flash point	32.8 °C / 91 °F	CC (closed cup)	
Evaporation rate	2	(butyl acetate = 1)	
Flammability (solid, gas)	N/A- Liquid		
Flammability limits in air			
Upper flammability limits	36.5%		
Lower flammability limit	5.5%		
Vapor pressure	96.0 mmHg	@ 25 °C (77 °F)	
Vapor density	1.1	(Air=1)	
Specific gravity	0.96	(1=Water)	
Water solubility	Soluble in water		
Solubility in other solvents	Not determined		
Partition coefficient	Not determined		
Autoignition temperature	470 °C / 878 °F		
Decomposition temperature	Not determined		
Kinematic viscosity	Not determined		
Dynamic viscosity	Not determined		
Explosive properties	Not determined		
Oxidizing Properties	Not determined		

Other Information**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Heat, flames and sparks.

Incompatible Materials

Oxidizing materials. Organic acids. Inorganic acids.

Hazardous Decomposition Products

Carbon oxides. Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION**Information on Likely Routes of Exposure**

Product Information

Inhalation Toxic if inhaled.
Eye Contact Causes severe eye irritation.
Skin Contact Toxic in contact with skin.
Ingestion Toxic if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methanol 67-56-1	= 5628 mg/kg (Rat)	= 15800 mg/kg (Rabbit)	= 83.2 mg/L (Rat) 4 h = 64000 ppm (Rat) 4 h
Ethylene glycol 107-21-1	= 4000 mg/kg (Rat)	= 9530 µL/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Serious eye damage/eye irritation Causes severe eye irritation.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

STOT - single exposure Causes damage to organs.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Numerical Measures of Toxicity- Product

Not determined

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 246 mg/kg
ATEmix (dermal) 748 mg/kg
ATEmix (inhalation-dust/mist) 1.2 mg/l
ATEmix (inhalation-vapor) 8 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea

Methanol 67-56-1		28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through		
Ethylene glycol 107-21-1	6500 - 13000: 96 h Pseudokirchneriella subcapitata mg/L EC50	41000: 96 h Oncorhynchus mykiss mg/L LC50 14 - 18: 96 h Oncorhynchus mykiss mL/L LC50 static 27540: 96 h Lepomis macrochirus mg/L LC50 static 40761: 96 h Oncorhynchus mykiss mg/L LC50 static 40000 - 60000: 96 h Pimephales promelas mg/L LC50 static 16000: 96 h Poecilia reticulata mg/L LC50 static	EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	46300: 48 h Daphnia magna mg/L EC50

Persistence and Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined.

Chemical Name	Partition coefficient
Methanol 67-56-1	-0.77
Ethylene glycol 107-21-1	-1.93

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methanol 67-56-1		Included in waste stream: F039		U154

Chemical Name	California Hazardous Waste Status
Methanol 67-56-1	Toxic Ignitable

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

DOT

UN/ID No UN1993
Proper Shipping Name Flammable liquids, n.o.s. (Methanol)
Hazard Class 3
Packing Group III
Reportable Quantity (RQ) Ethylene glycol (5000 lbs); Methanol (5000 lbs)

IATA

UN/ID No UN1992
Proper Shipping Name Flammable liquid, toxic, n.o.s. (Methanol)
Hazard Class 3
Subsidiary hazard class 6.1
Packing Group III

IMDG

UN/ID No UN1992
Proper Shipping Name Flammable liquid, toxic, n.o.s. (Methanol)
Hazard Class 3
Subsidiary hazard class 6.1
Packing Group III

15. REGULATORY INFORMATION

International Inventories**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Methanol - 67-56-1	67-56-1	35-45	1.0
Ethylene glycol - 107-21-1	107-21-1	3	1.0

SARA 311/312 Hazard Categories

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Methanol 67-56-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Ethylene glycol 107-21-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations

Chemical Name	California Proposition 65
Methanol - 67-56-1	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Methanol 67-56-1	X	X	X
Ethylene glycol 107-21-1	X	X	X

U.S. EPA Label Information

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	2	2	0	Not determined

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Revision Note

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet