



# SAFETY DATA SHEET

Issue Date 15-Oct-2005

Revision Date 28-Feb-2013

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** DLX Gas Line Anti-Freeze #100 Methanol

### Other Means of Identification

**SDS #** CALWIS-004

### UN/ID No

UN1230

### Synonyms

DLX Gas Line Anti-Freezer #100 Methanol  
DLX Gas Line Anti-Freeze #100-55 Methanol

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Gas line anti-freeze.

### 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 3
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 1
Flammable liquids	Category 2

### Signal Word

**Danger**

### **Hazard Statements**

Toxic if swallowed  
Toxic in contact with skin  
Toxic if inhaled  
Causes severe eye irritation  
Causes damage to organs  
Highly flammable liquid and vapor



**Appearance** Colorless liquid

**Physical State** Liquid

**Odor** Faint alcoholic 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 Gas Line Anti-Freezer #100 Methanol  
DLX Gas Line Anti-Freeze #100-55 Methanol.

Chemical Name	CAS No	Weight-%
Methanol	67-56-1	99
Non-hazardous Ingredients	Proprietary	1

## 4. FIRST AID MEASURES

### First Aid Measures

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

### Most Important Symptoms and Effects, both Acute and Delayed

<b>Symptoms</b>	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

<b>Note to Physicians</b>	Treat symptomatically. Ethanol may inhibit methanol metabolism.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). 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 (CO<sub>2</sub>).

### 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.

**Environmental Precautions** See Section 12 for additional ecological information.

### Methods and Material for Containment and Cleaning Up

**Methods for Containment** Eliminate all ignition sources. Contain spills in diking materials such as sandbags.

**Methods for Cleaning Up** Ground and bond containers when transferring material. Clean up in accordance with all applicable regulations.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use only with adequate ventilation. 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. Ground/bond container and receiving equipment. Empty containers may contain flammable residual vapors.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions** Keep container tightly closed. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store locked up. Store in a well-ventilated place.

**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 <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m <sup>3</sup> (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>

**Appropriate Engineering Controls**

**Engineering Controls** Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions.

**Individual Protection Measures, such as Personal Protective Equipment**

- Eye/Face Protection** Avoid contact with eyes. Chemical safety goggles/faceshield.
- Skin and Body Protection** Wear suitable protective clothing and footwear appropriate for the risk of exposure.
- Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Faint alcoholic odor
<b>Appearance</b>	Colorless liquid	<b>Odor threshold</b>	Not determined
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting point/freezing point	-98 °C / -144 °F	
Boiling point/boiling range	65 °C / 149 °F	
Flash point	-11.7 °C / 11 °F	CC (closed cup)
Evaporation rate	2	(butyl acetate = 1)
Flammability (solid, gas)	N/A- Liquid	
Flammability limits in air		
Upper flammability limits	36.0%	
Lower flammability limit	5.5%	
Vapor pressure	138 mmHg	@ 25°C (77°F)
Vapor density	1.1	(Air=1)
Specific gravity	0.79	(1=Water)
Water solubility	Soluble in water	
Solubility in other solvents	Not determined	
Partition coefficient	Not determined	
Autoignition temperature	243.3 °C / 470 °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.

<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
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**Conditions to Avoid**

Heat, flames and sparks.

**Incompatible Materials**

Oxidizing materials. Organic acids. Inorganic acids.

**Hazardous Decomposition Products**Carbon oxides. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).**11. TOXICOLOGICAL INFORMATION****Information on Likely Routes of Exposure****Product Information**

<b>Inhalation</b>	Toxic if inhaled.
<b>Eye Contact</b>	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

**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.

**Numerical Measures of Toxicity- Product**

Not determined

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

- ATEmix (oral) 101 mg/kg
- ATEmix (dermal) 303 mg/kg
- ATEmix (inhalation-dust/mist) 0.5 mg/l
- ATEmix (inhalation-vapor) 3 mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

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		

**Persistence and Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

Chemical Name	Partition coefficient
Methanol 67-56-1	-0.77

**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** UN1230  
**Proper Shipping Name** Methanol solution  
**Hazard Class** 3  
**Packing Group** II  
**Reportable Quantity (RQ)** Methanol (5000 lbs)

**IATA**

**UN/ID No** UN1230  
**Proper Shipping Name** Methanol solution  
**Hazard Class** 3  
**Subsidiary hazard class** 6.1  
**Packing Group** II

**IMDG**

**UN/ID No** UN1230  
**Proper Shipping Name** Methanol solution  
**Hazard Class** 3  
**Subsidiary hazard class** 6.1  
**Packing Group** II

## 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	99	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

### 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

### U.S. EPA Label Information

## 16. OTHER INFORMATION

<u>NFPA</u>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Special Hazards</b> Not determined
<u>HMIS</u>	<b>Health Hazards</b> 2	<b>Flammability</b> 3	<b>Physical Hazards</b> 0	<b>Personal Protection</b> 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**