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Revision Date

11-Dec-2017

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-Freeze #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 2A

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

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-Freeze #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

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. Consult a physician, 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 mucuous 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.

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/fumes/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 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

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
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Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Faint alcoholic odor
Appearance	Colorless liquid	Odor threshold	Not determined
Color	Colorless		

Property

Property	Values	Remarks • Method
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.

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	Harmful 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

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 mg/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
Hazard Class 3
Packing Group II
Reportable Quantity (RQ) Methanol (5000 lbs)

IATA

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

IMDG

UN/ID No UN1230
Proper Shipping Name Methanol
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/NDL - 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 - Phillippines 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

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	2	3	0	Not determined

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Revision Date 11-Dec-2017

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