SAFETY DATA SHEET

Issue Date 15-Oct-2005 **Revision Date** 28-Feb-2013 **Version** 1

1. IDENTIFICATION

Product Identifier
Product Name DLX Windshield Washer Concentrate #60-55

Other Means of Identification
SDS # CALWIS-005

UN/ID No UN1993

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Windshield washer.

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 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
Flammable liquid and vapor

Appearance Clear blue 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

Chemical Name	CAS No	Weight-%
Methanol	67-56-1	73
Non-hazardous Ingredients	Proprietary	27

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. If eye irritation persists: Get medical advice/attention.

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. If skin irritation persists, call a physician. 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.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically. Ethanol may inhibit methanol metabolism.

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 groung to ignition sources and flash back. Use water to keep fire-exposed structures and container cool.

Hazardous combustion products Carbon oxides. Carbon monoxide.

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.

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 For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use spark-proof tools and explosion-proof equipment. Use only outdoors or in a well-ventilated area. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Empty containers may contain flammable residual vapors. Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep container tightly closed. Store locked up. Store in a well-ventilated place. Store away from heat, sparks, flame.

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 Ensure adequate ventilation, especially in confined areas. Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Use chemical safety goggles and/or full-face shield where splashing is possible.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid		
Appearance	Clear blue liquid	**Odor**	Faint alcoholic odor
Color	Clear blue	**Odor threshold**	Not determined

Property	Values	Remarks • Method
pH	Not determined	
Melting point/freezing point	Not determined	
Boiling point/boiling range	65 °C / 149 °F	
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%	
Lower flammability limit	6%	
Vapor pressure	138 mmHg	@ 25°C (77°F)
Vapor density	1.1	(Air=1)
Specific gravity	0.82	(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.

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

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) 137 mg/kg
ATEmix (dermal) 411 mg/kg
ATEmix (inhalation-dust/mist) 0.7 mg/l
ATEmix (inhalation-vapor) 4 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		

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	UN1993
Proper Shipping Name	Flammable liquids, n.o.s. (Methanol)
Hazard Class	3
Packing Group	III
Reportable Quantity (RQ)	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	73	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 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