

Safety Data Sheet

Issue Date 31-Dec-2012

Revision/Review Date: 22-Nov-2023

Version 1.2

1. IDENTIFICATION

Product Identifier

Product Name Windshield Washer - Winter

Other Means of Identification

Product Code 6014-1W

Recommended use of the Chemical and Restrictions on Use

Recommended Use Windshield washer. For industrial and institutional use.

Details of the Supplier of the Safety Data Sheet

Nichols
1391 Judson Road
Norton Shores, MI 49456

Emergency Telephone Number

Company Phone Number Phone: 1-800-442-0213
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Dark Blue

Physical State Liquid

Odor Slight Alcohol

Classification

Flammable Liquid	Category 3
Acute Toxicity – Oral	Category 5
Specific Target Organ Toxicity – Single Exposure	Category 1

Signal Word

Danger



Hazard Statements

Flammable liquid and vapor.
May be harmful if swallowed.
Causes damage to eyes kidney, liver, heart, and central nervous system.

Precautionary Statements - Prevention

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

Precautionary Statements - Response

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
IN CASE OF FIRE: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide for extinction.
IF exposed: Call a POISON CENTER or doctor/physician.
SPECIFIC TREATMENT: Remove from exposure and treat symptoms.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool.
Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

May be harmful if swallowed.

Unknown Acute Toxicity

Not known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Methanol	67-56-1	40-70
Butoxydiglycol	112-34-5	1-5

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. **

4. FIRST-AID MEASURES**First Aid Measures**

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash off with soap and plenty of water. Obtain medical attention if symptoms occur.
Inhalation	If symptoms occur, remove to fresh air.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Immediately get medical advice/attention.

Most Important Symptoms and Effects

Symptoms	Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. Prolonged or repeated skin contact may cause irritation. May be harmful if swallowed.
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Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician	Treat symptomatically.
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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

Flammable.

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 protective equipment as required.
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Environmental Precautions Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Collect spillage. Collect in a clean, dry waste container for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Wash thoroughly after handling. Use personal protection recommended in Section 8. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. Avoid contact with eyes. Observe good industrial hygiene practices.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Keep out of the reach of children.

Incompatible Materials None known.

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	TWA: 200 ppm TWA: 260 mg/m ³	-

Appropriate Engineering Controls

Engineering Controls Use only in well-ventilated areas.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Use eye protection.

Skin and Body Protection Use impervious gloves when handling this product.

Respiratory Protection Use only in well-ventilated 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	Odor	Slight Alcohol
Appearance	Clear	Odor Threshold	Not determined
Color	Dark Blue		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	10-10.5	
Melting Point/Freezing Point	~ -54°C/ -65°F	
Boiling Point/Boiling Range	~ 23°C/ 73.5°F	
Flash Point	~24°C/ 75°F	Tag Closed Cup
Evaporation Rate	Not determined	

Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	0.92	
Water Solubility	Completely soluble	@ 25 °C (77 °F)
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children. Avoid heat, flames, and sparks.

Incompatible Materials

Avoid acid chlorides, acid anhydrides, oxidizing agents, alkali metals, reducing agents, and acids.

Hazardous Decomposition Products

When exposed to fire, produces carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact	May cause eye irritation.
Skin Contact	May cause skin irritation.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Ingestion	Do NOT taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methanol 67-56-1	= 1187 – 2769 mg/kg (Rat)	= 17100 mg/kg (Rabbit)	= 128.2 mg/L 4hr (Rat)
Butoxydiglycol 112-34-5	= 5080 mg/kg (Rat)	-	-

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

Carcinogenicity Not classifiable as a human carcinogen.

Numerical Measures of Toxicity

Not determined

Unknown Acute Toxicity Not known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Methanol 67-56-1	22000 mg/L 96h Scenedesmus capricornutum	15400 mg/L 96h Lepomis macrochirus	-	> 10000 mg/L 48h Daphnia magna
Butoxydiglycol 112-34-5	-	2000 mg/l (96hr) silverside minnow	-	-

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined.

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.

14. TRANSPORT INFORMATION*

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

DOT UN1993, Flammable Liquids, NOS (Containing Methanol), 3, PGII

IATA

IMDG

Marine Pollutant This material may meet the definition of a marine pollutant.

15. REGULATORY INFORMATION

NOT FOR SALE IN CALIFORNIA

International Inventories

Canada – Domestic Substances List (DSL)
TSCA (Toxic Substances Control Act)

All ingredients are listed or exempt.
All ingredients are listed or exempt.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Methanol (67-56-1)

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Methanol	67-56-1	40-70	1.0
Butoxydiglycol	112-34-5	1-5	1.0

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	State List
Methanol 67-56-1	MA, NJ, PA

AZ – Arizona Ambient Air Quality Guidelines
 CT – Connecticut Hazardous Air Pollutants
 CA – California Director's List of Hazardous Substances
 CAP65 – California Prop 65
 FL – Florida Substances List
 ID – Idaho Non-Carcinogen Toxic Air Pollutants

IL – Illinois Toxic Air Contaminant- Carcinogenic
 MA – Massachusetts Right to Know List
 MN – Minnesota Hazardous Substances List
 NJ – New Jersey Right to Know List
 PA – Pennsylvania Right to Know List
 RI – Rhode Island Hazardous Substances List

16. OTHER INFORMATION**NFPA****Health Hazards**

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards

Not determined

HMIS**Health Hazards**

2

Flammability

3

Physical Hazards

0

Personal Protection

Glasses, gloves

Issue Date

31-Dec-2012

Revision/Review Date:

22-Nov-2023

Revision Note

Version 1.2 Updated Section 3.

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.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet