

SAFETY DATA SHEET

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NGHS / English



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1. IDENTIFICATION

Product identifier

Product Name SHOP PRO DE-ICER -30 WINDSHIELD WASHER FLUID

Other means of identification SO3M306P

Product Code(s) 1748374

Recommended use of the chemical and restrictions on use

Recommended Use Windshield Washer Fluid

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Identification Highline Warren LLC

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2. HAZARDS IDENTIFICATION

Classification



Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 1
Flammable liquids	Category 3

Appearance Purple

Physical state Liquid

Odor Alcohol

GHS Label elements, including precautionary statements

Danger

Hazard statements

- Toxic if swallowed
- Toxic in contact with skin
- Toxic if inhaled
- Causes damage to organs
- Causes damage to organs through prolonged or repeated exposure
- Flammable liquid and vapor



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, hot surfaces, sparks, open flames and other ignition sources. No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ ventilating/ lighting/ equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Keep cool
- Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

- Specific treatment (see supplemental first aid instructions on this label)
- IF exposed: Call a POISON CENTER or doctor

Skin

- Call a POISON CENTER or doctor if you feel unwell
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
- Wash contaminated clothing before reuse

Inhalation

- IF INHALED: Remove person to fresh air and keep comfortable for breathing
- Call a POISON CENTER or doctor



Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor
Rinse mouth

Fire

In case of fire: Use CO2, dry chemical, or foam to extinguish

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

Other information

Unknown acute toxicity 2.60131 % of the mixture consists of ingredient(s) of unknown toxicity
2.60131 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
2.60131 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
2.60131 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
2.60131 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
2.60131 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Methyl alcohol	67-56-1	41.333	-	-
Ethylene glycol	107-21-1	1.685	-	-
Third Party Formulation (TP # 1669794)	-	0 - 10%	-	-

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Inhalation

Remove to fresh air. IF exposed or concerned: Get medical advice/attention. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Immediate medical attention is required.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Get



immediate medical advice/attention.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention.

Ingestion

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

Self-protection of the first aider

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not breathe vapor or mist.

Most important symptoms and effects, both acute and delayed

Symptoms

Coughing and/ or wheezing. Difficulty in breathing.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Large Fire

CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media

Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

Yes.

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.



ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Do not breathe vapor or mist.

Other Information

Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment

Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up

Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse. Do not breathe vapor or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl alcohol	STEL = 250 ppm	TWA: 200 ppm	IDLH: 6000 ppm



67-56-1	TWA: 200 ppm S*	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*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 325 mg/m ³ STEL: 250 ppm	
Ethylene glycol 107-21-1	STEL: 50 ppm vapor fraction STEL: 10 mg/m ³ inhalable particulate matter, aerosol only TWA: 25 ppm vapor fraction	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m ³		
Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Methyl alcohol 67-56-1	TWA: 200 ppm TWA: 262 mg/m ³ STEL: 250 ppm STEL: 328 mg/m ³ Skin	TWA: 200 ppm STEL: 250 ppm Skin	TWA: 200 ppm STEL: 250 ppm Skin	TWA: 200 ppm TWA: 262 mg/m ³ STEL: 250 ppm STEL: 328 mg/m ³ Skin
Ethylene glycol 107-21-1	Ceiling: 100 mg/m ³	TWA: 10 mg/m ³ STEL: 20 mg/m ³ Ceiling: 100 mg/m ³ Ceiling: 50 ppm	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m ³	Ceiling: 50 ppm Ceiling: 127 mg/m ³
Third Party Formulation (TP # 1669794)			TWA: 10 mg/m ³ TWA: 50 ppm TWA: 155 mg/m ³	

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Hand protection

Wear suitable gloves. Impervious gloves.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Do not breathe vapor or mist.

9. PHYSICAL AND CHEMICAL PROPERTIES



Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Purple
Odor	Alcohol
Color	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	UNKNOWN		
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	32 C / 90 F		
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air		None known	
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Relative density	0.94		
Water Solubility	Soluble in water		
Solubility(ies)	No data available	None known	
Partition coefficient: n-octanol/water	No data available		
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	

Other Information

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available.
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. Excessive heat.
Incompatible materials	None known based on information supplied.
Hazardous Decomposition Products	Carbon oxides.



Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	Based on the classification criteria of the Globally Harmonized System as adopted in the country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). Causes damage to organs if swallowed. Causes damage to organs in contact with skin.
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity This material is not expected to be harmful to the ecology.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Methyl alcohol	No data available	96h LC50: 13500 - 17600 mg/L (Lepomis macrochirus) 96h LC50: 18 - 20 mL/L (Oncorhynchus mykiss) 96h LC50: 19500 - 20700 mg/L (Oncorhynchus mykiss) 96h LC50: = 28200 mg/L (Pimephales promelas) 96h LC50: > 100 mg/L (Pimephales promelas)	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	No data available
Ethylene glycol	96h EC50: 6500 - 13000 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 14 - 18 mL/L (Oncorhynchus mykiss) 96h LC50: 40000 - 60000 mg/L (Pimephales promelas) 96h LC50: = 16000 mg/L (Poecilia reticulata) 96h LC50: = 27540 mg/L (Lepomis macrochirus) 96h LC50: = 40761 mg/L (Oncorhynchus mykiss) 96h LC50: = 41000 mg/L (Oncorhynchus mykiss)	EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	48h EC50: = 46300 mg/L (Daphnia magna)
Third Party Formulation (TP # 1669794)	96h EC50: = 19000 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 41 - 47 mL/L (Oncorhynchus mykiss) 96h LC50: = 51400 mg/L (Pimephales promelas) 96h LC50: = 51600 mg/L (Oncorhynchus mykiss) 96h LC50: = 710 mg/L	-	48h EC50: > 1000 mg/L (Daphnia magna)



	(Pimephales promelas)	
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Persistence and Degradability Biodegrades quickly.

Bioconcentration Bioconcentration is not expected to occur.

Component Information

Chemical name	Partition coefficient
Methyl alcohol	-0.77
Ethylene glycol	-1.36
Third Party Formulation (TP # 1669794)	-1.07

Mobility This material is expected to have very high mobility in soil. It does not absorb to most soil types. This material is expected to evaporate quickly from surface soils and/or waters.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

US EPA Waste Number D001 U154

California Waste Codes 331

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste
Methyl alcohol 67-56-1	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT

UN-No. UN1993
Proper Shipping Name FLAMMABLE LIQUIDS, N.O.S.
Hazard Class 3
Packing Group III
Description UN1993, FLAMMABLE LIQUIDS, N.O.S. (METHANOL), 3, III, LTD QTY
Emergency Response Guide Number 128

TDG



UN-No.	UN1992
Proper Shipping Name	FLAMMABLE LIQUID, TOXIC, N.O.S.
Hazard Class	3
Subsidiary class	6.1
Packing Group	III
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), 3(6.1), III, LTD QTY

MEX

UN-No.	UN1992
Proper Shipping Name	FLAMMABLE LIQUID, TOXIC, N.O.S.
Hazard Class	3
Subsidiary class	6.1
Packing Group	III
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), 3(6.1), III

ICAO

UN-No.	UN1992
Proper Shipping Name	FLAMMABLE LIQUID, TOXIC, N.O.S.
Hazard Class	3
Subsidiary class	6.1
Packing Group	III
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), 3(6.1), III, LTD QTY

IATA

UN-No.	UN1992
Proper Shipping Name	FLAMMABLE LIQUID, TOXIC, N.O.S.
Hazard Class	3
Subsidiary class	6.1
Packing Group	III
ERG Code	3P
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), 3(6.1), III, LTD QTY

IMDG/IMO

UN-No.	UN1992
Proper Shipping Name	FLAMMABLE LIQUID, TOXIC, N.O.S.
Hazard Class	3
Subsidiary class	6.1
Packing Group	III
EmS-No.	F-E, S-D
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), 3(6.1), III, (32°C C.C.), LTD QTY

RID

UN-No.	UN1992
Proper Shipping Name	FLAMMABLE LIQUID, TOXIC, N.O.S.
Hazard Class	3
Packing Group	III
Classification code	FT1
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), 3(6.1), III
ADR/RID-Labels	6.1

ADR



UN-No.	UN1992
Proper Shipping Name	FLAMMABLE LIQUID, TOXIC, N.O.S.
Hazard Class	3
Packing Group	III
Classification code	FT1
Tunnel restriction code	(D/E)
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), 3(6.1), III
Labels	6.1

ADN

UN-No.	UN1992
Proper Shipping Name	FLAMMABLE LIQUID, TOXIC, N.O.S.
Hazard Class	3
Packing Group	III
Classification code	FT1
Special Provisions	274, 802
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), 3(6.1), III
Hazard Labels	3 + 6.1
Limited Quantity	5 L
Ventilation	VE01, VE02

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

TSCA	All components of this material are on the Active US TSCA Inventory or are exempt..
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

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
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313



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

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
Methyl alcohol - 67-56-1	67-56-1	41.333	1.0
Ethylene glycol - 107-21-1	107-21-1	1.685	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Methyl alcohol 67-56-1	5000 lb		RQ= 2270 kg final RQ RQ= 5000 lb final RQ
Ethylene glycol 107-21-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Methyl alcohol - 67-56-1	Developmental
Ethylene glycol - 107-21-1	Developmental

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Methyl alcohol 67-56-1	X	X	X	X	X
Ethylene glycol 107-21-1	X	X	X	X	X
Third Party Formulation (TP # 1669794)	X		X		

16. OTHER INFORMATION

NFPA	Health hazards 3	Flammability 3	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 3 *	Flammability 3	Physical hazards 0	Personal Protection X



Chronic Hazard Star Legend

* = Chronic Health Hazard

Prepared By

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Revision Note

No information available

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