

SAFETY DATA SHEET



Version 1

1. Identification of the Substance / Preparation and of the Company / Undertaking

Product Name: Novel Wash Windshield Wash Fluid (-20)
Synonyms: Novel Wash Windshield Wash Fluid (-20)
Molecular Weight: 32

Company Name:
Novel Wash Company 11685 Manchester Road St. Louis, MO 63131 (314) 471-0555

Emergency Telephone:
NATIONAL EMERGENCY RESPONSE CENTER: 1-800-424-8802
Novel Wash Company (314) 471 - 0555
CHEMTREC (US): 1-800-424-9300
Call CHEMTREC only in the event of chemical emergencies involving a SPILL, LEAK, FIRE, EXPOSURE, or ACCIDENT involving chemicals.

2. Hazards Identification

GHS - Classification

Acute toxicity - Oral	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 1
Specific target organ toxicity (single exposure)	Category 1



Signal Word: Danger

Hazard Statements:

- Toxic if swallowed
- Fatal if inhaled
- Causes damage to organs
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Physical Hazards

Flammable liquid	Category 3
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- Flammable liquid and vapor



Precautionary Statements:

- P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- P330 - Rinse mouth
- P271 - Use only outdoors or in a well-ventilated area
- P284 - Wear respiratory protection
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P310 - Immediately call a POISON CENTER or doctor/physician
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P307 + P311 - IF exposed: Call a POISON CENTER or doctor/physician
- P405 - Store locked up
- P501 - Dispose of contents/ container to an approved waste disposal plant
- P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- P233 - Keep container tightly closed
- P240 - Ground/bond container and receiving equipment
- P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment
- P242 - Use only non-sparking tools
- P243 - Take precautionary measures against static discharge
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish
- P403 + P235 - Store in a well-ventilated place. Keep cool
- P501 - Dispose of contents/container to industrial incineration plant

3. Composition / Information on Ingredients

Hazardous

Chemical Name	CAS No	Weight-%	EC No
Methanol	67-56-1	36	200-659-6

Non-Hazardous

Chemical Name	CAS No	Weight-%	EC No
Color	3486-30-4	< 1	222-476-0
Water	7732-18-5	Balance	231-791-2

4. First Aid Measures

General Advice:

Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Eye Contact:

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.

Skin Contact:

Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Obtain medical attention.

Inhalation:

Immediate medical attention is required. Move to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

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Ingestion:	Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Drink plenty of water.
Note to Physicians:	Treat symptomatically.
Self-protection of the First Aider:	Remove all sources of ignition.

5. Fire-fighting Measures

Flammable Properties:

Flammable; may be ignited by heat, sparks or flames; Flammable Liquid; Combustible liquid

Explosive Properties:

No information available

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable Extinguishing Media:

No information available

Specific Hazards Arising from the Chemical:

Flammable

Protective Equipment and Precautions for Firefighters:

In the event of a fire, wear full protective clothing and MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode

6. Accidental Release Measures

Personal Precautions:	Remove all sources of ignition. Evacuate personnel to safe areas. Use only with adequate ventilation. Use personal protective equipment as required.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.
Methods for Containment:	Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.
Methods for Cleaning Up:	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.
Other Information:	Not applicable.

7. Handling and Storage

Advice on Safe Handling:	Use only with adequate ventilation. 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. All equipment used when handling the product must be grounded.
Storage Conditions:	Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).
Incompatible Materials:	Strong oxidizing agents

8. Exposure Controls / Personal Protection

Chemical Name	ACGIH TLV		OSHA PEL		Ontario TWA	
Methanol	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*		TWA: 200 ppm STEL: 250 ppm Skin	
Chemical Name	European Union	China	Japan	Korea	Australia	Taiwan
Methanol	TWA: 200 ppm TWA: 260 mg/m ³ Skin	TWA: 25 mg/m ³ STEL: 50 mg/m ³ Skin	TWA: 200 ppm TWA: 260 mg/m ³ Skin ISHL/ACL: 200 ppm	Skin STEL: 250 ppm STEL: 310 mg/m ³ TWA: 200 ppm TWA: 260 mg/m ³	200 ppm 262 mg/m ³ 250 ppm STEL 328 mg/m ³ STEL Skin	TWA: 200 ppm TWA: 262 mg/m ³

Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

Engineering Controls: Ensure adequate ventilation, especially in confined areas

Personal protective equipment (PPE)

Eye/Face Protection: Tight sealing safety goggles.

Body Protection: Gloves made of plastic or rubber. Antistatic footwear. Wear fire/flamm resistant/retardant clothing.

General Hygiene Considerations:

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. Physical and Chemical Properties**9.1. Information on basic physical and chemical properties**

Physical State: Liquid
Appearance: No information available
Color: Transparent color (usually blue)
Odor: Alcohol
Odor Threshold: No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH:	7	
"Salt Out" Point (°F):		No information available
Melting Point/Freezing Point:	-29 °C / -20 °F	
Boiling Point/Boiling Range:	84 °C / 183 °F	
Flash Point:	38 °C / 101 °F	Tag Closed Cup
Evaporation Rate (BuAc=1):		No information available
Flammability (solid, gas):		No information available
Flammability Limits in Air:		No information available
Upper Flammability Limit:		
Lower Flammability Limit:		
Vapor Pressure (mm Hg) :	45 @ 20°C	
Vapor density (Air =1)	1.1	
Specific Gravity (H₂O=1):	0.952	
Specific Gravity (2nd value):		
Water Solubility:	Completely soluble	
Solubility(ies):		No information available
Partition Coefficient (n-octanol/water)		No information available
Autoignition Temperature:		No information available
Decomposition Temperature:		No information available
Kinematic Viscosity:		No information available
Dynamic Viscosity:		No information available
Oxidizing Properties:	No information available	
Explosive Properties:	No information available	

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9.2. Other information

Softening Point: No information available
Molecular Weight: 32
VOC Content(%): No information available
Density: No information available
Bulk Density: No information available
% Volatiles by Volume @ 21°C (70°F): 35

10. Stability and Reactivity

Stability: Stable under normal conditions of use and storage

Conditions to Avoid: Heat, flames and sparks; Incompatibles

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide

Possibility of Hazardous Reactions: None under normal processing

11. Toxicological Information

Product Information

Acute Toxicity: 1% of the mixture consists of ingredient(s) of unknown toxicity.

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

Chemical Name	Oral LD ₅₀ :	Dermal LD ₅₀ :	LC ₅₀ (Lethal Concentration):
Methanol	5628 mg/kg (Rat)	15800 mg/kg (Rabbit)	64000 ppm (Rat) 4 h 83.2 mg/L (Rat) 4 h
Water	90 mL/kg (Rat)		

Chronic Toxicity:

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

Target Organ Effects: Central nervous system, Eyes, Gastrointestinal tract (GI), Respiratory system, Skin

12. Ecological Information

Ecotoxicity

1% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
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Methanol		19500 - 20700: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 18 - 20: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 static 13500 - 17600: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 28200: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 100: 96 h <i>Pimephales promelas</i> mg/L LC50 static	
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Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

Chemical Name	Partition Coefficient:
Methanol	-0.77

13. Disposal Considerations

Waste from Residues/Unused Products: Disposal should be in accordance with applicable regional, national and local laws and regulations

14. Transport Information

DOT

Description Not DOT Regulated

15. Regulatory Information

International Inventories

All of the components in the product are on the following Inventory lists: TSCA (United States);, Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), South Korea (KECL);, China (IECSC), Philippines (PICCS), This product contains a substance not listed on international inventories - it is for research and development use only.

AICS	Complies
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	-
IECSC	Complies
KECL	Complies
PICCS	Complies

Chemical Name	AICS	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Methanol	Present	Present	Present	-	200-659-6	-	(2)-201	Present	KE-23193	Present
Color	Present	Present	Present	-	222-476-0	-	(5)-1361 (5)-1631	Present	KE-20180	Present
Water	Listed	Listed	Listed	-	Listed	-	-	Listed	KE-35400	Present

Inventory Legend

AICS - Australian Inventory of Chemical Substances

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

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PICCS - Philippines Inventory of Chemicals and Chemical Substances

RESTRICTIONS - REACH TITLE VII No information available

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	CERCLA Hazardous Substances and the Reportable Quantities	SARA Extremely Hazardous Substances EPCRA RQ	SARA Extremely Hazardous Substances TPQ
Methanol	5000 lb 2270 kg	-	-

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	SARA 313 - Threshold Values %
Methanol	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive hazard	No

U.S. State Right-to-Know Regulations

California Proposition 65:

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65:
Methanol	Developmental

16. Other Information

National Fire Protection Association (NFPA) Ratings



Prepared By:

HSE Department

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Issue Date: 10-Apr-2013
Revision Date: 10-Apr-2013
Revision Note: MSDS converted to GHS SDS Format.

Disclaimer:

Novel Wash Company ("Novel Wash") expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Novel Wash makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Novel Wash's control, and, therefore, users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes, and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

End of Safety Data Sheet