

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name: POLAR WW SOLVENT 6/1GL
Product Code: WW65006P

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Windshield Wash
Recommended restrictions: AZ, CA, TX, Atlanta Area

1.3. Details of the supplier of the safety data sheet

Manufacturer: Warren Distribution, Inc.
 727 S. 13th Street
 Omaha, NE 68102
Information Phone: +01 (800) 825-1235 +01 (402) 341-9397
E-mail: sds@wd-wpp.com

1.4. Emergency telephone number

Emergency phone number: CHEMTREC: +1 (800) 424-9300
 International: +01 (703) 527-3887

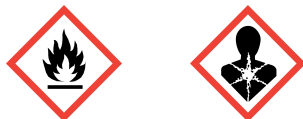
SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
 Flammable Liquid Category 3

2.2. Label elements

GHS Hazard Symbols



Signal Word

Danger

Hazard Statements

H226 - Flammable liquid and vapor.
 H370 - Causes damage to organs.

Precautionary Statements

Prevention

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.
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 - Wash exposed areas thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.

Response

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.
 P307+P311 - IF exposed: Call a POISON CENTER or doctor/physician.
 P321 - Specific treatment (see section 4).

Storage

P370+P378 - In case of fire: Use ... to extinguish.
 P233 - Keep container tightly closed.
 P403+P235 - Store in a well-ventilated place. Keep cool.

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Disposal P405 - Store locked up.
P501- Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards
Hazards not otherwise classified: No data available.

Unknown acute toxicity (GHS-US)
Unknown Acute Toxicity (Gas): 61.197286 % of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 3: Composition/information on ingredients

Chemical Name	%	CAS #	GHS Classification
Methanol	15 - 40	67-56-1	Acute Tox. 3; H311 Acute Tox. 3; H301 Acute Tox. 3; H331 Flam. Liq. 2; H225 STOT SE 1; H370

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

Eyes Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion Seek medical attention immediately or call the Poison control center. Do not induce vomiting. If patient is fully conscious, give up to two glasses of water. Provide medical care provider with this SDS.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Vomiting, Nausea, Headache, Dizziness, Drowsiness, Coughing, Mental confusion, Systemic effects similar to those resulting from ingestion, Temporary or permanent blindness, Muscle pains, Impaired vision

4.3. Indication of any immediate medical attention and special treatment needed

Note to Doctor No additional first aid information available.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable and Unsuitable Extinguishing Media:

Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

5.2. Special hazards arising from the substance or mixture

Fire and/or Explosion Hazards

Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

5.3. Advice for firefighters

Fire Fighting Methods and Protection

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential for hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products

Carbon monoxide, Formaldehyde

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General Measures: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

6.2. Environmental precautions

Avoid runoff into storm sewers and ditches that lead to waterways.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

6.4. Reference to other sections

Follow all protective equipment recommendations provided in Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer. Use spark-proof tools and explosion-proof equipment

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not expose to extreme temperatures or flames.

Incompatible materials

See Section 10.

7.3. Specific end use(s)

Windshield Wash

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name

Methyl alcohol

Methyl alcohol

Methanol

Occupational Exposure Limits

OSHA PEL

OSHA STEL

ACGIH TLV-TWA

Value

200 ppm TWA; 260 mg/m³ TWA

250 ppm STEL; 325 mg/m³ STEL

200 ppm TWA

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	Occupational Exposure Limits	Value
Methanol	ACGIH STEL	250 ppm STEL
Methyl alcohol	IDLH	6000 ppm IDLH
None.	OSHA PEL-Skin Notation	
Methyl alcohol	OSHA STEL-Skin Notation	Potential for dermal absorption
Methanol	ACGIH TLV-Skin Designation	Skin - potential significant contribution to overall exposure by the cutaneous route

8.2. Exposure controls

Engineering Measures

Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

Respiratory Protection

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Respirator Type(s)

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye Protection

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses. An eye wash station must be available where this product is used.

Skin Protection

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves

Butyl rubber, Polyethylene, Polyvinylalcohol

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Color	Blue
Odor	Moderate
Odor threshold	Not determined
pH	Not determined
Freezing point	Not determined
Boiling Point	Not determined
Flash Point	36
Flash Point Method	PMCC
Evaporation Rate	2-10 (n-Butyl acetate = 1)
Upper Flammable/Explosive Limit, % in air	36.5 (air = 1)
Lower Flammable/Explosive Limit, % in air	6 (air = 1)
Flammability (solid, gas)	Not applicable
Vapor pressure	Not determined
Vapor Density	Not determined
Relative Density	0.82
Solubility in Water	Complete; 100%
Octanol/Water Partition Coefficient	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature	Not determined

9.2. Other information

Volatiles, % by weight	0.000000
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SECTION 10: Stability and reactivity

10.1. Reactivity	No data available.
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SECTION 10: Stability and reactivity

10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerization will not occur.
10.4. Conditions to avoid	Sparks, open flame, other ignition sources, and elevated temperatures. Visible light
10.5. Incompatible materials	Strong oxidizing agents
10.6. Hazardous decomposition products	Carbon monoxide, Formaldehyde

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ingestion Toxicity	No hazard in normal industrial use. Estimated to be > 5.0 g/kg.
Skin Contact	This material is likely to be moderately irritating to skin based on animal data. Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Absorption	Estimated to be > 5.0 g/kg; practically non-toxic
Inhalation Toxicity	No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.
Eye Contact	The material is likely to be moderately irritating to eyes based on animal data. Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Sensitization	Non-hazardous under Respiratory Sensitization category. No data available to indicate product or components may be a skin sensitizer.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Carcinogenicity	Not a carcinogen according to NTP, IARC, or OSHA.
Reproductive and Developmental Toxicity	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Specific target organ toxicity-Single exposure	H370 - Causes damage to organs.
Specific target organ toxicity-Repeated exposure	Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.
Long-Term (Chronic) Health Effects	Drowsiness, Headache, Impaired vision, Circulatory failure, Abdominal pain, Skin rashes
Aspiration toxicity	Non-hazardous under Aspiration category.
Other information	No data available.

Agents Classified by IARC Monographs

Not applicable	IARC Group 1
Not applicable	IARC Group 2A
Not applicable	IARC Group 2B

National Toxicity Program (NTP) Status

Not applicable	Known Human Carcinogen
Not applicable	Reasonably Anticipated To Be A Human Carcinogen

SECTION 12: Ecological information

12.1. Toxicity

Acute Aquatic ecotoxicity:	Non-hazardous under Aquatic Acute Environment category.
Chronic Aquatic ecotoxicity:	Non-hazardous under Aquatic Chronic Environment category.

12.2. Persistence and degradability

Biodegrades quickly.

12.3. Bioaccumulative potential

Bioconcentration is not expected to occur.

12.4. Mobility in soil

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.

12.5. Results of PBT and vPvB assessment

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SECTION 12: Ecological information

No data available.

12.6. Other adverse effects

Not determined

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal Methods

Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste Disposal Code(s)

D001

Waste Description for Spent Product

Spent or discarded material is a hazardous waste.

Contaminated packaging:

Containers of this material may be hazardous when emptied.

SECTION 14: Transport information

DOT Basic Description UN1993, FLAMMABLE LIQUID, N.O.S. (METHANOL), 3, III, LTD QTY

IMDG

Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S
Technical Name: METHANOL
UN Number: UN1993
Hazard Class: 3
Packing Group: III
Exception: LTD QTY
EMS# F-E,S-E

IATA

Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S
Technical Name: METHANOL
UN Number: UN1993
Hazard Class: 3
Packing Group: III
Exception: LTD QTY

SECTION 15: Regulatory information

Chemical Inventories

TSCA Status All components of this material are on the US TSCA Inventory or are exempt.

U.S. State Restrictions: AZ, CA, TX, Atlanta Area

WHMIS: B2, D1B, D2A, D2B

Chemical Name	Regulation	CAS #	%
Methanol	CERCLA	67-56-1	15 - 40
Methanol	SARA 313	67-56-1	15 - 40
None.	SARA EHS		
None.	TSCA 12b		

U.S. State Regulations

Chemical Name	Regulation	CAS #	%
None.	California Prop 65- Cancer		
Methanol	California Prop 65- Dev. Toxicity	67-56-1	15 - 40
None.	California Prop 65- Reprod -fem		
None.	California Prop 65- Reprod-male		

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Chemical Name	Regulation	CAS #	%
Methanol	Massachusetts RTK List	67-56-1	15 - 40
Methyl alcohol	New Jersey RTK List	67-56-1	15 - 40
Methanol	Pennsylvania RTK List	67-56-1	15 - 40
None.	Rhode Island RTK List		
Methyl alcohol	Minnesota Hazardous Substance List	67-56-1	15 - 40

HMIS Ratings:

Health: 2
Fire: 3
Reactivity: 0
PPE: B

NFPA Ratings:

Health: 2
Fire: 3
Reactivity: 0

KEY: 0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

SECTION 16: Other information

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References ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CFR: Code of Federal Regulations

DOT: United States Department of Transportation

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

IATA: International Air Transportation Association

IDLH: Immediately Dangerous to Life or Health

IMDG: International Maritime Dangerous Goods

NFPA: National Fire Protection Association

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

RTK: Right-to-Know

SARA: Superfund Amendments and Reauthorization Act

STEL: Short-term Exposure Limit

TLV: Threshold limit value

TSCA: Toxic Substances Control Act

TWA: Time weighted average

UN: United Nations

WHMIS: Workplace Hazardous Materials Information System

Disclaimer

This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.