

PRODUCT NAME: ABRO Windshield Washer
PRODUCT NUMBER/SIZE: WW-516 / 16 oz.

Revision Date: 01/26/2016

SECTION 1 Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.
ADDRESS: 3580 Blackthorn Drive
South Bend, IN 46628 USA
PRODUCT DESCRIPTION: Windshield Washer Antifreeze Concentrate
COMPANY PHONE: 574-232-8289
EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

SECTION 2 Hazards Identification

Classification:

Flammable Liquids, Category 3
Specific Target Organ Toxicity – repeated exposure Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Skin Corrosion/Irritation, Category 2
Aquatic Toxicity (Acute), Category 3

Label Pictogram(s):



Signal Word: WARNING

Hazard Phrases: Flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life.

Precautionary Phrases: Keep away from heat, sparks and open flames. No smoking. Keep container tightly closed. Use explosion-proof electrical, ventilation, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves, protective clothing, eye and face protection. Wash hands thoroughly after handling. Do not breathe dust, fumes, vapors or spray. Avoid release to the environment,

Response: In case of fire, use water, fog, foam, CO₂ and dry chemical or absorbent material to extinguish. Get medical attention if you feel unwell. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. **IF ON SKIN (or hair):** Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON

CENTER or doctor/physician if exposed or you feel unwell.

Storage / Disposal: Store in cool/well-ventilated place. Dispose of contents in accordance with Federal, State and local regulations.

Other: Keep out of reach of children. Read label before use.
If medical advice is needed, have product container or label at hand.

SECTION 3 Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
Methanol	67-56-1	60-80%
Ammonium Hydroxide	1336-21-6	< 1%

SECTION 4 First Aid Measures

First Aid Measures

Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.
Ingestion	Get medical attention immediately. Call Poison Control Center Rinse Mouth. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek immediate medical advice. Allow the victim to rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Signs & Symptoms Of Over Exposure:	Eye contact: Direct spray or vapors may be irritating or harmful. Skin Contact: Prolonged exposure may cause irritation due to defatting of skin. Inhalation: High concentration of vapors may irritate nasal passage, throat and eyes. Prolonged exposure may cause headaches and nausea. Ingestion: Harmful if swallowed. May cause nausea, diarrhea and irritation
Special Treatment:	No information available.

SECTION 5 Fire Fighting Measures

Extinguishing media	Water, fog, foam, CO ₂ and dry chemical or absorbent material.
Hazardous Combustion:	No information available.
Protective Equipment and Precautions for firefighters:	Wear self-contained positive pressure breathing apparatus and protective clothing. Use face shield to protect against containers that may rupture or vent during fire-fighting.

Flame Projection Test

No information available.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution to sewers, waterways, soil, or air.

Methods/materials for containment and cleanup:

If material is spilled, wipe up with absorbent material and deposit in a chemical waste container. Wash area with water thoroughly. Neutralize with sodium bicarbonate (baking soda). If excessive run-off occurs, notify local sanitation district as required by local regulations. If spill occurs, wear personal protection equipment as stated in section 8.

Environmental precautions:

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 7).

SECTION 7 Handling and Storage

Precautions for Safe Handling

Keep away from heat, sparks, open flames and hot surfaces - No smoking. Keep container tightly closed. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Keep out of the reach of children.

Conditions for Safe Storage

Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 9). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8 Exposure Controls/Personal Protection

Personal Protection

**Eyes
Skin and Body
Respiratory
Hands**

Avoid contact with eyes. Safety glasses with side shields or chemical goggles. Do not get on skin or clothing. Wear suitable protective clothing. Use adequate ventilation. Do not breathe vapor or mist. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical

exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application.

SECTION 9 Physical and Chemical Properties

Appearance and Physical State:	Clear blue liquid / Alcohol
Odor:	Not Available
Odor Threshold:	Not Available
pH:	10-11 (undiluted product)
Melting Point/Freezing Point:	Not Available
Initial boiling point & boiling range:	32° F
Flash Point:	96.00° F (35.6°C)
Evaporation rate:	< 1
Flammability (solid, gas)	Not Available
Upper/lower flammability or explosive limits	Not determined.
Vapor pressure	Not Available.
Vapor density	10+ (air = 1)
Relative density	Not Available
Specific gravity	Not Available
Solubility in water	Soluble
Partition Coefficient n-Octanol/Water	Not Available
Auto-ignition Temperature:	Not Available.
Decomposition Temperature:	Not determined.
Viscosity:	Not Available
%-VOC Content:	Not Available.
CARB VOC Category/Standard (%)	Not Available
OTC Model Rule Category/Standard (%)	Not Available
US EPA Cons Prod Category/Standard (%)	Not Available
Weight per gallon	Not Available
Solids in weight %	Not Available

SECTION 10 Stability and Reactivity

Reactivity and Chemical Stability:	The product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	Heat, sparks and open flames.
Incompatibilities:	Strong oxidizing agents like hydrogen peroxide, sulfuric acid and bleach.
Hazardous decomposition products:	CO and CO ₂
Hazardous polymerization:	Under normal conditions of storage and use, hazardous polymerization will not occur.

SECTION 11 Toxicological Information				
Material	CAS#	% by weight	PEL (OSHA)	TLV (ACGIH)
Methanol	67561	60 - 80 %	200 PPM	200 PPM
Ammonium Hydroxide	1336-21-6	< 1 %	50 PPM	(TW25 PPM)

Acute toxicity	Potential chronic health effects
Carcinogenicity	No known significant effects or critical hazards.
Teratogenicity	See Other Information

SECTION 12 Ecological Information

Ecotoxicity: No information available.

Persistence and Degradability: Inherently biodegradable

Bioaccumulation Potential: This product is not expected to bio accumulate through food chains in the environment.

Mobility in Soil: Spillages may penetrate the soil causing ground water contamination.

Other Adverse Effects: Miscible in water. Spills on water will disperse throughout the water phase. Unlikely to be harmful Information to aquatic organisms unless glycol concentration is high.

SECTION 13 Disposal Considerations

Storage and Disposal Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 9). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Waste Disposal Method: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

SECTION 14 Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed

for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

U.S. DOT	UN/ID Number: UN1987 Proper shipping name: Alcohols, n.o.s. (Methanol) Hazard class: 3 Packing Group: III Exceptions: May be shipped as a limited quantity or consumer commodity Environmental Hazards: None Transport in Bulk: Not applicable Special Precautions: ERG 127 Other Information: US DOT. In containers of less than 5L capacity or less, this product is classified as "consumer commodity" under DOT regulations.
IMO/IMDG	UN/ID Number: UN1987 Proper shipping name: Alcohols, n.o.s. (Methanol) Hazard class: 3 Packing Group: III Exceptions: May be shipped as a limited quantity or consumer commodity. Environmental Hazards: None Transport in Bulk: Not applicable. Special Precautions: EmS: F-E, S-D
ICAO/IATA	UN/ID Number: UN1987 Proper shipping name: Alcohols, n.o.s. (Methanol) Hazard Class: 3 Packing Group: III Exceptions: May be shipped as a limited quantity or consumer commodity. Environmental Hazards: None Transport in Bulk: Not applicable. Special Precautions: None
Canada (TDG)	UN/ID Number: UN1987 Proper shipping name: Alcohols, n.o.s. (Methanol) Hazard class: 3 Packing Group: III Exceptions: May be shipped as a limited quantity or consumer commodity. Environmental Hazards: None Transport in Bulk: Not applicable. Special Precautions: ERG#127 Other Information: TDG regulations. Contains less than 450L, this product meets the requirements for exemption under TDG regulations special provisions, part 1, section 1.36b: Class 3, Flammable Liquids; Alcohol Exemption.
Europe (ADR/RID)	UN/ID Number: UN1987 Proper shipping name: Alcohols, n.o.s. (Methanol) Hazard class: 3 Packing Group: III Exceptions: May be shipped as a limited quantity. Environmental Hazards: None Transport in Bulk: Not applicable. Special Precautions: None

SECTION 15 Regulatory Information

VOC (Volatile Organic Compounds): ND

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: None

SARA Title III Section 311/312: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA Title III Section 313 Toxic Chemicals: None

WHMIS Classification: Class B-2 Flammable Liquid, Class D-1B/D-2B Toxic Material causing serious toxic effects

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR. Read and follow all label directions and precautions before using this product. KEEP OUT OF REACH OF CHILDREN

Hazard Rating System:



SECTION 16 Other Information

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the 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. Users also assume all risks in regards to 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 process.

ABBREVIATIONS:

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable