

## Safety Data Sheet

SDS Number: WASH-3  
Issue Date: 7/1/2019  
Revised Date: N/A  
Version No: 1



### 1. IDENTIFICATION

**Product Name:** TEC-WASH® -35 WASHER FLUID  
**Chemical Name/Synonyms:** N/A  
**Company Name & Address:** RILCO, Inc., 1320 1st Street, Rock Island, IL 61201  
**For More Information Call:** (309) 788-5631 (Monday-Friday 8:00-4:30)  
**In Case of Emergency Call:** (800) 424-9300 Chemtrec (24 Hours/7 Days)  
**Intended Use:** Windshield Washer Fluid

### 2. HAZARD(S) IDENTIFICATION

#### Hazard Classification:

	Category:	Hazard Statement:
Acute Toxicity-Inhalation, Dust, Mist	4	H332
Acute Toxicity-Inhalation, Vapor	3	H331
Acute Toxicity-Oral	3	H301
Acute Toxicity-Dermal	3	H311
Flammable Liquids	3	H224
Specific Target Organ Toxicity (STOT)	1	H370

**Signal Word:** DANGER

#### Hazard Statement(s):

H224 Extremely flammable liquid and vapour.  
H301 Toxic if swallowed.  
H311 Toxic if swallowed or in contact with skin.  
H370 Causes damage to organs (May cause blindness if swallowed).  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.

**Pictogram(s):**



**Precautionary Statement(s):**

- |                    |  |
|--------------------|--|
| P201               | Obtain special instructions before use.  |
| P202               | Do not handle until all safety precautions have been read and understood.  |
| P210               | Keep away from heat, hot surfaces, open flames, sparks.- No smoking.   |
| P233               | Keep container tightly closed.   |
| P240               | Ground/bond container and receiving equipment.   |
| P241               | Use explosion-proof electrical, lighting, ventilating equipment.   |
| P242               | Use only non-sparking tools.   |
| P243               | Take precautionary measures against static discharge.  |
| P260               | Do not breathe mist, spray, vapors.  |
| P264               | Wash affected areas thoroughly after handling.   |
| P270               | Do not eat, drink or smoke when using this product.  |
| P271               | Use only outdoors or in a well-ventilated area.  |
| P280               | Wear personal protective equipment as required.  |
| P301 + P310        | If swallowed: Immediately call doctor/physician or poison center. Rinse Mouth.   |
| P303 + P361 + P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  |
| P304 + P340        | If inhaled: Remove person to fresh air and keep comfortable for breathing.   |
| P305 + P351 + P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                               |
| P314               | Get medical advice/attention if you feel unwell.   |
| P361 + P364        | Take off immediately all contaminated clothing and wash it before reuse.   |
| P370 + P378        | In case of fire: Use Foam, Sand, Dry powder, Carbon dioxide to extinguish.   |
| P403 + P235        | Store in a well-ventilated place. Keep cool.   |
| P405               | Store locked up.   |
| P501               | Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations. |

**Description of Other Hazards:**

No Information available.

<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**Substance:** N/A

<b>Mixture:</b>	<b><u>Chemical Name</u></b>	<b><u>CAS#</u></b>	<b><u>% By Weight</u></b>	<b><u>GHS-US</u></b>
	Methanol	67-56-1	30 - 35	
	Ethylene Glycol	107-21-1	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

#### Description of First-Aid Measures:

**First-Aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-Aid Measures after 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.

**First-Aid Measures after Skin Contact:** Wash immediately with lots of water. Soap may be used. Do not apply (chemical) neutralizing agents. Remove clothing before washing. Consult a doctor/medical service.

**First-Aid after Eye Contact:** Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water for 15 minutes, lifting lower and upper lids. Take victim to an ophthalmologist if irritation persists.

**First-Aid after ingestion:** Obtain emergency medical attention. Rinse mouth. Never give anything by mouth to an unconscious person.

#### Most Important symptoms and effects, both acute and delayed:

**Symptoms after inhalation:** May cause irritation of the nose and throat. High concentrations may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.

**Symptoms after skin contact:** Prolonged exposure to skin may cause skin irritation experienced as burning, dryness, cracking and redness.

**Symptoms after eye contact:** May cause severe irritation.

**Symptoms after ingestion:** May cause nausea, abdominal pain, headache, shortness of breath, visual impairment and blindness. Severe poisoning can lead to coma and death.

**Chronic Symptoms:** ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Skin rash/inflammation. Headache. Feeling of weakness. Disturbed tactile sensibility. Visual disturbances. Sleeplessness. Gastrointestinal complaints. Cardiac and blood circulation effects.

### 5. FIRE-FIGHTING MEASURES

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**Suitable Extinguishing Agents:** ABC powder. Foam. Dry powder. Carbon dioxide. Sand.

**Unsuitable Extinguishing Agents:** Do not use a heavy water stream.

### Protective Equipment/Precautions

**for Firefighters:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection. Wear positive pressure self-contained breathing apparatus (SCBA). Protective fire fighting clothing (includes fire-fighting helmet, coat, pants, boots and gloves).

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective

**Equipment:** Remove ignition sources. Use special care to avoid static electric charges. Do not breathe vapor or mist. Wear appropriate respirator when ventilation is inadequate. Evacuate unnecessary personnel. Keep upwind. Mark the danger area.

### Measures for Environmental

**Protection:** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**Measures for Cleaning/Collecting:** Contain released substance, pump into suitable containers. Dam up the liquid spill. Plug the leak, cut off the supply. Try to reduce evaporation. Take account of toxic/corrosive precipitation water. Dilute combustible/toxic gases/vapors with water spray. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** In use, may form flammable vapor-air mixture. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Wash contaminated clothing before reuse.

### Conditions for Safe Storage,

**Including any Incompatibilities:** Use explosion-proof electrical, lighting, ventilating equipment. Ground/bond container and receiving equipment. Proper grounding procedures to avoid static electricity should be followed. Keep only in the original container in a cool, well ventilated place away from: heat sources, hot surfaces, open

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flames, sparks. Keep container closed when not in use. Do not store near food, drugs or potable water supplies. Keep away from strong acids, strong bases and oxidizing agents.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters:

Methanol 67-56-1:

ACGIH	ACGIH TWA (ppm)	200 ppm (Skin)
ACGIH	ACGIH STEL (ppm)	250 ppm (Skin)
ACGIH	REMARK (ACGIH)	Headache, eye damage, dizziness, nausea.
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup> (Skin)
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	200 ppm (Skin)

Ethylene Glycol 107-21-1:

ACGIH TLV	STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> Inhalable Particulate Matter, Aerosol Only.
ACGIH TLV	STEL (ppm)	50 ppm (Vapor Fraction)
ACGIH TLV	TWA (ppm)	25 ppm (Vapor Fraction)
OSHA PEL	(Vacated) Ceiling	50 ppm
OSHA PEL	(Vacated) Ceiling	125 mg/m <sup>3</sup>

#### Exposure Controls:

##### Personal Protective Equipment:

Avoid all unnecessary exposure. Gloves. Safety glasses.



##### Respiratory Equipment:

appropriate mask.

In case of inadequate ventilation wear respiratory protection. Wear

##### Hand Protection:

Wear protective gloves.

##### Eye Protection:

Chemical goggles or safety glasses.

##### Skin and Body Protection:

Wear suitable protective clothing.

##### Additional Recommendations:

Do not eat, drink or smoke during use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Basic Physical and Chemical Properties:

Physical State:

Liquid

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Color:	Purple
Odor:	Alcohol Odor
Odor Threshold:	Not Determined
pH:	8.0
Freezing Point:	-38°C (-36.4°F)
Boiling Point:	87°C (188°F)
Flash Point:	39°C (102°F)
Evaporation Rate:	Not Determined
Flammability:	Not Determined
Auto-Ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	Not Determined
Solubility:	Not Determined
Specific Gravity:	.953
Viscosity, Kinematic:	Not Determined
Viscosity, Dynamic:	Not Determined

### 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not reactive under normal conditions.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid:</b>	Sources of ignition.
<b>Incompatible Materials:</b>	Keep away from strong acids, strong bases and oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Fume. Carbon monoxide. Carbon dioxide.

### 11. TOXICOLOGICAL INFORMATION

#### Toxicological Effects:

Acute toxicity: Oral: Harmful if swallowed. Dermal: Toxic in contact with skin. Inhalation:dust,mist: Harmful if inhaled.

#### Chemical Name:

Methanol 67-56-1:

LD50 Oral Rat	> 5,000.00 mg/kg (Rat; BASF test; Literature study; 1187-2769 mg/kg bodyweight; Rat; Weight of evidence)
LD50 Dermal Rabbit	15,800.00 mg/kg (Rabbit; Literature study)
LC50 Inhalation Rat (mg/l)	85.00 mg/l/4h (Rat; Literature study)
LC50 Inhalation Rat (ppm)	64,000.00 ppm/4h (Rat; Literature study)

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ATE US (Dermal)	15,800.00 mg/kg bodyweight
ATE US (Gases)	700.00 ppmv/4h
ATE US (Vapors)	3.00 mg/l/4h
ATE US (Dust, Mist)	0.50 mg/l/4h

### Ethylene Glycol 107-21-1:

LD50 Oral Rat	4700 mg/kg
LD50 Dermal Rabbit	9530 µL/kg
LD50 Dermal Rat	10600 mg/kg

<b>Skin Irritation:</b>	Not Classified.
<b>Eye Damage:</b>	Not Classified.
<b>Respiratory Irritation:</b>	Not Classified.
<b>Carcinogenicity:</b>	Not Classified.
<b>Reproductive Toxicity:</b>	Not Classified.
<b>Aspiration Hazard:</b>	Not Classified.

**Symptoms After Inhalation:** May cause irritation of the nose and throat. High concentrations may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.

**Symptoms Skin Contact:** Prolonged exposure to skin may cause skin irritation experienced as burning, dryness, cracking and redness.

**Symptoms After Eye Contact:** May cause severe irritation.

**Symptoms After Ingestion:** May cause nausea, abdominal pain, headache, shortness of breath, visual impairment and blindness. Severe poisoning can lead to coma and death.

**Chronic Symptoms:** ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Skin rash/inflammation. Headache. Feeling of weakness. Disturbed tactile sensibility. Visual disturbances. Sleeplessness. Gastrointestinal complaints. Cardiac and blood circulation effects.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

#### Methanol 67-56-1:

LC50 Fish 1	15,400.00 mg/l (96 h; <i>Lepomis macrochirus</i> ; Lethal)
EC50 Daphnia 1	> 10,000.00 mg/l (48 h; <i>Daphnia magna</i> ; Lethal)
LC50 Fish 2	10,800.00 mg/l 96 h; <i>Salmo gairdneri</i> ( <i>Oncorhynchus mykiss</i> )
EC50 Daphnia 2	24,500.00 mg/l (48 h; <i>Daphnia magna</i> ; Locomotor effect)
Threshold Limit Other Aquatic Organisms 1	6600 mg/l (16 h; <i>Pseudomonas putida</i> )
Threshold Limit Algae 1	530 mg/l (192 h; <i>Microcystis aeruginosa</i> )

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Threshold Limit Algae 2

8000 mg/l (168 h; *Scenedesmus quadricauda*)

Ethylene Glycol 107-21-1:

Algae/Aquatic Plant

6500 - 13000: 96 h, *Pseudokirchneriella subcapitata*, mg/L EC50

Fish

16000: 96 h *Poecilia reticulata* mg/L, LC50 static 27540: 96 h *Lepomis macrochirus* mg/L LC50 static, 40000 - 60000: 96 h *Pimephales promelas* mg/L LC50 static 40761: 96 h *Oncorhynchus mykiss* mg/L, LC50 static 41000: 96 h, *Oncorhynchus mykiss* mg/L LC50, 14 - 18: 96 h *Oncorhynchus mykiss*, mL/L LC50 static

Crustacea

46300: 48 h *Daphnia magna* mg/L EC50

### Persistence and Degradability:

Methanol 67-56-1:

Persistence and Degradability

Readily biodegradable in water and soil. Highly mobile in soil.

Biochemical Oxygen Demand (BOD)

0.6 - 1.12 g O<sub>2</sub>/g substance

Chemical Oxygen Demand (COD)

1.42 g O<sub>2</sub>/g substance

ThOD

1.50 g O<sub>2</sub>/g substance

BOD (% of ThOD)

0.80 % ThOD

Ethylene Glycol 107-21-1:

Persistence and Degradability

No Information Available.

### Bioaccumulative Potential:

Methanol 67-56-1:

BCF Fish 1

< 10.00 (72 h; *Leuciscus idus*)

BCF Fish 2

1.00 (72 h; *Cyprinus carpio*; Blood)

Log Pow

-0.77 (Experimental value; Other)

Bioaccumulative Potential

Low potential for bioaccumulation (BCF < 500)

Ethylene Glycol 107-21-1:

Bioaccumulative Potential

No Information Available.

### Mobility in Soil

Methanol 67-56-1:

Surface Tension

0.02 N/m (20 °C)

Ethylene Glycol 107-21-1:

Mobility in Soil

Partition coefficient: -1.93



**Other Adverse Effects:** No known effect on the ozone layer.

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:** Dispose of contents/container, in a safe manor, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations. Avoid release to the environment.

### 14. TRANSPORT INFORMATION

**Department of Transportation (DOT):**

**Transport Document Description:** UN1993 Flammability Liquids, n.o.s. (Methanol), 3, III  
**UN No.:** 1993  
**DOT NA No.:** UN1993  
**Proper Shipping Name:** Flammable Liquids, n.o.s. - Methanol  
**Transport Hazard Class(es):** 3 - Class 3 - Flammable and Combustible Liquid 49 CFR 173.120  
**Hazard Label(s):** 3 - Flammable Liquid



**DOT Symbols:** G - Identifies PSN Requiring a Technical Name  
**DOT Packing Group:** III - Minor Danger  
**DOT Packaging Exceptions:** 150  
**DOT Packaging Non Bulk:** 203  
**DOT Packaging Bulk:** 242  
**DOT Quantity Limitations Passenger Aircraft/Rail:** 60 L  
**DOT Quantity Limitations Cargo Aircraft:** 220 L  
**DOT Vessel Stowage Location:** A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.  
**Other Information:** In inner packaging no more than 5.0 L: Proper Shipping Name: Limited Quantity of Class III Per 49 CFR Part 173.10 (PG III, inner packaging no more than 5.0 L).

**ADR:** No Additional Information Available.

**Transport by Sea:**

UN No. (IMDG): 1993

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Proper Shipping Name (IMDG): Flammable Liquid, n.o.s. (Methanol)  
Class (IMDG): 3 - Flammable Liquids  
Packing Group (IMDG): III - Substances Presenting Low Danger  
Limited Quantities (IMDG): In Non-Bulk quantities with inner packaging no more than 5.0 L: Proper Shipping Name: Dangerous Goods in Limited Class 3 (Windshield Wash Containing Methanol) Packages or pallets must be marked "Dangerous Goods in Limited Quantities of Class 3" Outer Package cannot weigh more than 30 kg.

### Air Transport:

UN No. (IATA): 1993  
Proper Shipping Name (IATA): Flammable Liquid, n.o.s. (Methanol)  
Class (IATA): 3 - Flammable Liquids  
Packing Group (IATA): III - Minor Danger  
Instruction "Passenger" - Limited Quantities (ICAO): Y309 (Max Quantity per Package 10 L) Special Provision A3

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations:

CERCLA:	<u>Methanol 67-56-1:</u>	<u>Ethylene Glycol 107-21-1:</u>
Hazardous Substances RQs:	5000 LBS	5000 LBS
CERCLA/SARA RQ:		
Reportable Quantity (RQ):	RQ 5000 LB FINAL RQ	RQ 5000 LB FINAL RQ
	RQ 2270 kg FINAL RQ	RQ 2270 kg FINAL RQ
SARA Section 313:	<u>Methanol 67-56-1:</u>	<u>Ethylene Glycol 107-21-1:</u>
Weight-%:	30 - 35	1 - 5
Threshold Values %:	1	1

### International Regulations:

<b>Chemical Name:</b>	<u>Ethylene Glycol 107-21-1:</u>	<u>Methanol 67-56-1:</u>
TSCA(United States Toxic Substances Control Act Section 8(b) Inventory):	Listed	Listed
DSDL/NDSL(Canadian Domestic Substances List/Non-Domestic Substances List):	Listed	X
EINECS/ELINCS(European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances):		Listed
ENCS(Japan Existing and New Chemical Substances):	Listed	Listed
IECSC(China Inventory of Existing Chemical Substances):	Listed	X
KELC(Korean Existing and Evaluated Chemical Substances):	Listed	Listed

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PICCS(Philippines Inventory of Chemicals and Chemical Substances):	Listed	X
AICS (Australian Inventory of Chemical Substances):	Listed	X

### U.S. State Regulations:

California Prop 65: This product contains the following Proposition 65 chemicals:

	<u>Ethylene Glycol 107-21-1:</u>	<u>Methanol 67-56-1:</u>
Carcinogens List:	NO	NO
Developmental Toxicity:	YES	YES
Reproductivity Toxicity, Female:	NO	NO
Reproductivity Toxicity, Male:	NO	NO

### U.S. State Right-to-Know Regulations:

	<u>Ethylene Glycol 107-21-1:</u>	<u>Methanol 67-56-1:</u>
Massachusetts:	Listed	Listed
New Jersey:	Listed	Listed
Pennsylvania:	Listed	Listed

## 16. OTHER INFORMATION

### NFPA:

Health Hazard:	2-Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
Fire Hazard:	3-Liquids and solids that can be ignited under almost all ambient conditions.
Reactivity:	0-Normally stable, even under fire exposure conditions, and are not reactive with water.
NS Symbol:	N/A



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