

Safety Data Sheet

SDS Number: WASH-1
Issue Date: 7/1/2019
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Version No: 1



1. IDENTIFICATION

Product Name: TEC-WASH® -20 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-Oral	4	H302
Acute Toxicity-Dermal	3	H311
Flammable Liquids	2	H225
Specific Target Organ Toxicity (STOT)	1	H370

Signal Word: DANGER

Hazard Statement(s):

H225 Highly flammable liquid and vapor.
H302 + H332 Harmful if swallowed or if inhaled.
H311 Toxic in contact with skin.
H370 Causes damage to organs (May cause blindness if swallowed).

Pictogram(s):



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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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: N/A

Mixture:	<u>Chemical Name</u>	<u>CAS#</u>	<u>% By Weight</u>	<u>GHS-US</u>
	Methanol	67-56-1	30 - 40	

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

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

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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 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)

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

Exposure Controls:

Personal Protective Equipment:

Avoid all unnecessary exposure. Gloves. Safety glasses.



Respiratory Equipment:

In case of inadequate ventilation wear respiratory protection. Wear appropriate mask.

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
Color:	Blue
Odor:	Alcohol Odor
Odor Threshold:	Not Determined
pH:	7 - 10
Freezing Point:	Not Determined
Boiling Point:	86.7°C (188°F)
Flash Point:	38.3°C (101°F)
Evaporation Rate:	5.9
Flammability:	Not Determined
Auto-Ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Vapor Pressure:	97 @ 20°C (68°F)
Vapor Density:	1.1
Solubility:	Water: Complete
Specific Gravity:	.954

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Viscosity, Kinematic:

Not Determined

Viscosity, Dynamic:

Not Determined

10. STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Chemical Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	Sources of ignition.
Incompatible Materials:	Keep away from strong acids, strong bases and oxidizing agents.
Hazardous Decomposition Products:	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)
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

Skin Irritation:	Not Classified.
Eye Damage:	Not Classified.
Respiratory Irritation:	Not Classified.
Carcinogenicity:	Not Classified.
Reproductive Toxicity:	Not Classified.
Aspiration Hazard:	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

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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>)
Threshold Limit Algae 2	8000 mg/l (168 h; <i>Scenedesmus quadricauda</i>)

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 ₂ /g substance
Chemical Oxygen Demand (COD)	1.42 g O ₂ /g substance
ThOD	1.50 g O ₂ /g substance
BOD (% of ThOD)	0.80 % ThOD

Bioaccumulative Potential:

Methanol 67-56-1:

BCF Fish 1	< 10.00 (72 h; <i>Leuciscus idus</i>)
BCF Fish 2	1.00 (72 h; <i>Cyprinus carpio</i> ; Blood)
Log Pow	-0.77 (Experimental value; Other)
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500)

Mobility in Soil

Methanol 67-56-1:

Surface Tension	0.02 N/m (20 °C)
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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:

TEC-WASH® -20 Washer Fluid:

EPA TSCA Regulatory Flag: Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed.
SARA Section 302 Threshold Planning Quantity (TPQ): None
SARA Section 311/312 Hazard Classes: Delayed (chronic) health hazard. Fire hazard.
Immediate (acute) health hazard.
SARA Section 313: Emission Reporting 33 % (Methanol CAS # 67-56-1).

Methanol 67-56-1:

EPA TSCA Regulatory Flag: Listed on the United States TSCA (Toxic Substances Control Act) inventory.
SARA Section 313: Listed.
RQ (Reportable quantity, section 304 of EPA's List of Lists): 5000 LBS.

International Regulations:

Chemical Name:

TSCA(United States Toxic Substances Control Act Section 8(b) Inventory): Listed
DSL/NDL(Canadian Domestic Substances List/Non-Domestic Substances List): X
EINECS/ELINCS(European Inventory of Existing Chemical Substances/European List

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of Notified Chemical Substances):	Listed
ENCS(Japan Existing and New Chemical Substances):	Listed
IECSC(China Inventory of Existing Chemical Substances):	X
KELC(Korean Existing and Evaluated Chemical Substances):	Listed
PICCS(Philippines Inventory of Chemicals and Chemical Substances):	X
AICS (Australian Inventory of Chemical Substances):	X

U.S. State Regulations:

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

Methanol 67-56-1:

Carcinogens List:	NO
Developmental Toxicity:	YES
Reproductivity Toxicity, Female:	NO
Reproductivity Toxicity, Male:	NO

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

Methanol 67-56-1:

Massachusetts:	Listed
New Jersey:	Listed
Pennsylvania:	Listed

16. OTHER INFORMATION

NFPA:

Health Hazard:	1-Exposure could cause irritation but only minor residual injury even if no treatment 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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