

Material Safety Data Sheet**1. MATERIAL AND COMPANY IDENTIFICATION**

Material Name : Rain-X Washer Fluid Additive, Liquid or Pouch
Uses : Washer fluid additive

Manufacturer/Supplier : ITW Global Brands
6925 Portwest Dr., Suite 100
Houston, TX. 77024-8042
USA

MSDS Request : 1-855-888-1988

Emergency Telephone Number
Spill Information : (CHEMTREC) 1-800-424-9300, Local: 1-703-527-3887
Health Information : (RMPDC) 1-877-504-9352

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity	CAS No.	Concentration
2-butoxy ethanol	111-76-2	1.00 - 5.00 %
Isopropyl Alcohol	67-63-0	1.00 - 5.00 %
Methanol	67-56-1	< 4.00 %

A mixture of water, alcohols and additives.

3. HAZARDS IDENTIFICATION

Emergency Overview	
Appearance and Odour	: White. Liquid. Alcohol-like.
Health Hazards	: Harmful in contact with skin. Harmful if swallowed. Harmful by inhalation.
Environmental Hazards	: Not classified as dangerous for the environment.

Health Hazards

Inhalation : Harmful: possible risk of irreversible effects through inhalation.
Skin Contact : Harmful: possible risk of irreversible effects in contact with skin.
Eye Contact : No specific hazards under normal use conditions.
Ingestion : Harmful: possible risk of irreversible effects in contact with skin and if swallowed.

Other Information : Possibility of organ or organ system damage from prolonged exposure; see Chapter 11 for details. Target organ(s): Central nervous system (CNS). Visual system.

Signs and Symptoms : Intentional abuse or misuse may cause organ damage or death. Acute methanol toxicity may progress as follows: drowsiness or fatigue, and mild irritation of the eyes and mucous membranes; this may be followed (in about 18 to 24 hours and in some cases up to 72 hours) by more severe central nervous system

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- (CNS) effects and visual disturbances including diminished eyesight or blindness, metabolic acidosis (metabolism to formic acid) and deep respirations.
- Aggravated Medical Condition** : Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Eyes. Visual system. Central nervous system (CNS).
 - Environmental Hazards** : No specific hazards under normal use conditions.
 - Additional Information** : Under normal conditions of use or in a foreseeable emergency, this product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

4. FIRST AID MEASURES

- General Information** : Keep victim calm. Obtain medical treatment immediately.
- Inhalation** : Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Inhalation of vapours requires immediate medical attention.
- Skin Contact** : If persistent irritation occurs, obtain medical attention. Remove contaminated clothing. Immediately flush skin with large amounts of water for at least 15 minutes, and follow by washing with soap and water if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.
- Eye Contact** : Flush eye with copious quantities of water.
- Ingestion** : DO NOT DELAY. If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
- Advice to Physician** : Consult a Poison Control Centre for guidance. IMMEDIATE TREATMENT IS EXTREMELY IMPORTANT!

5. FIRE FIGHTING MEASURES

- Flash point** : Not applicable.
- Specific Hazards** : This product is a mixture of water and a water miscible alcohol, and does not present a significant flammability hazard when used by consumers.
- Suitable Extinguishing Media** : Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
- Unsuitable Extinguishing Media** : Do not use water in a jet.
- Protective Equipment for Firefighters** : Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

6. ACCIDENTAL RELEASE MEASURES

Ventilate contaminated area thoroughly.

- Protective measures** : Not applicable. No specific measures.
- Clean Up Methods** : Not applicable.

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Additional Advice : Observe all relevant local and international regulations.

7. HANDLING AND STORAGE

Handling : Use only in well-ventilated areas.
Storage : No special storage requirements.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

Material	Source	Type	ppm	mg/m3	Notation
Methanol	ACGIH	TWA	200 ppm		
Methanol	ACGIH	STEL	250 ppm		
Methanol	ACGIH	SKIN_DES			Can be absorbed through the skin.
Methanol	OSHA Z1	PEL	200 ppm	260 mg/m3	
Methanol	OSHA Z1A	TWA	200 ppm	260 mg/m3	
Methanol	OSHA Z1A	STEL	250 ppm	325 mg/m3	
Methanol	OSHA Z1A	SKIN_FINAL			Can be absorbed through the skin.
Isopropyl Alcohol	ACGIH	TWA	200 ppm		
Isopropyl Alcohol	ACGIH	STEL	400 ppm		
Isopropyl Alcohol	OSHA Z1	PEL	400 ppm	980 mg/m3	
Isopropyl Alcohol	OSHA Z1A	TWA	400 ppm	980 mg/m3	
Isopropyl Alcohol	OSHA Z1A	STEL	500 ppm	1,225 mg/m3	
Isopropyl Alcohol	ACGIH	TWA	200 ppm		
Isopropyl Alcohol	ACGIH	STEL	400 ppm		
2-butoxy ethanol	ACGIH	TWA	20 ppm		
2-butoxy ethanol	OSHA Z1	PEL	50 ppm	240 mg/m3	
2-butoxy ethanol	OSHA Z1	SKIN_DES			Can be absorbed through the skin.
2-butoxy ethanol	OSHA Z1A	TWA	25 ppm	120 mg/m3	
2-butoxy ethanol	OSHA Z1A	SKIN_FINAL			Can be absorbed through the skin.

Additional Information : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

Exposure Controls : Adequate ventilation to control airborne concentrations below

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	the exposure guidelines/limits.
Personal Protective Equipment	: Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
Respiratory Protection	: Check with respiratory protective equipment suppliers.
Hand Protection	: PVC, neoprene or nitrile rubber gloves.
Eye Protection	: Safety spectacles (safety glasses).
Environmental Exposure Controls	: Use only in well-ventilated areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: White. Liquid.
Odour	: Alcohol-like.
pH	: 2.5 - 4
Initial Boiling Point and Boiling Range	: 85 °C / 185 °F
Pour point	: Data not available
Flash point	: Not applicable.
Specific gravity	: 0.98 - 1 at 20 °C / 68 °F
Density	: Typical 1,000 g/cm ³ at 20 °C / 68 °F
Water solubility	: Partially soluble.
Vapour density (air=1)	: > 1

10. STABILITY AND REACTIVITY

Stability	: Stable under normal conditions of use.
Conditions to Avoid	: Not applicable.
Materials to Avoid	: Not applicable.
Hazardous Decomposition Products	: None expected under normal use conditions.
Hazardous Polymerisation	: No
Sensitivity to Mechanical Impact	: No

11. TOXICOLOGICAL INFORMATION

Basis for Assessment	: Information given is based on data from components.
Acute Oral Toxicity	: May be harmful if swallowed. LD50 > 2000 - <= 5000 mg/kg , Rat Note: There is a marked difference in acute oral toxicity between animals and man, man being more susceptible than animals. The estimated fatal dose for man is 100 millilitres.
Acute Dermal Toxicity	: May be harmful in contact with skin. LD50 > 2000 - <= 5000 mg/kg , Rabbit
Acute Inhalation Toxicity	: May be harmful if inhaled. Rat
Skin Irritation	: Expected to be slightly irritating.
Eye Irritation	: Expected to be slightly irritating.
Respiratory Irritation	: Not expected to be a respiratory irritant.
Sensitisation	: Not a skin sensitiser.
Repeated Dose Toxicity	: Visual system: may cause marked impairment of vision or blindness.

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Mutagenicity : No evidence of mutagenic activity.
Carcinogenicity : Not a carcinogen.

Material	: Carcinogenicity Classification
Isopropyl Alcohol	: ACGIH Group A4: Not classifiable as a human carcinogen.
Isopropyl Alcohol	: IARC 3: Classification not possible from current data.
2-butoxy ethanol	: ACGIH Group A3: Confirmed animal carcinogen with unknown relevance to humans.
2-butoxy ethanol	: IARC 3: Classification not possible from current data.

Reproductive and Developmental Toxicity : Causes adverse effects on the foetus based on animal studies. Does not impair fertility.

12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

Mobility : Disperses in water.
Persistence/degradability : Data not available
Bioaccumulation : Data not available
Other Adverse Effects : Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

13. DISPOSAL CONSIDERATIONS

Material Disposal : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.
Container Disposal : Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
Local Legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. TRANSPORT INFORMATION

US Department of Transportation Classification (49CFR)

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

IMDG

This material is not classified as dangerous under IMDG regulations.

IATA (Country variations may apply)

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This material is not classified as dangerous under IATA regulations.

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Federal Regulatory Status

Notification Status

EINECS	All components listed or polymer exempt.
TSCA	All components listed.
DSL	All components listed.

Comprehensive Environmental Release, Compensation & Liability Act (CERCLA)

Rain-X Washer Fluid Additive, Liquid or Pouch ()	Reportable quantity: 80 lbs
Methanol (67-56-1)	Reportable quantity: 5000 lbs
Isopropyl Alcohol (67-63-0)	Reportable quantity: 100 lbs
2-butoxy ethanol (111-76-2)	

SARA Hazard Categories (311/312)

Immediate (Acute) Health Hazard.

SARA Toxic Release Inventory (TRI) (313)

Methanol (67-56-1)	3.00%
Isopropyl Alcohol (67-63-0)	1.38%
2-butoxy ethanol (111-76-2)	1.25%

State Regulatory Status

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

New Jersey Right-To-Know Chemical List

Methanol (67-56-1)	Listed.
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Isopropyl Alcohol (67-63-0)	Listed.
2-butoxy ethanol (111-76-2)	Listed. Listed.

Pennsylvania Right-To-Know Chemical List

Methanol (67-56-1)	Environmental hazard. Listed.
Isopropyl Alcohol (67-63-0)	Environmental hazard. Listed.
2-butoxy ethanol (111-76-2)	Listed. Environmental hazard.

16. OTHER INFORMATION

NFPA Rating (Health, Fire, Reactivity)	: 1, 1, 0
MSDS Version Number	: 1.0
MSDS Effective Date	: 07/09/2008
MSDS Revisions	: A vertical bar () in the left margin indicates an amendment from the previous version.
MSDS Regulation	: The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
MSDS Distribution	: The information in this document should be made available to all who may handle the product.
Disclaimer	: The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.