

## Section 5. Fire-fighting measures

- Specific hazards arising from the chemical** : Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
halogenated compounds
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : 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 (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. 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

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
xylene	<p><b>ACGIH TLV (United States, 3/2012).</b>            TWA: 100 ppm 8 hours.            TWA: 434 mg/m<sup>3</sup> 8 hours.            STEL: 150 ppm 15 minutes.            STEL: 651 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b>            TWA: 100 ppm 8 hours.            TWA: 435 mg/m<sup>3</sup> 8 hours.            STEL: 150 ppm 15 minutes.            STEL: 655 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL (United States, 6/2010).</b>            TWA: 100 ppm 8 hours.            TWA: 435 mg/m<sup>3</sup> 8 hours.</p>
ethylbenzene	<p><b>ACGIH TLV (United States, 3/2012).</b>            TWA: 20 ppm 8 hours.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b>            TWA: 100 ppm 8 hours.            TWA: 435 mg/m<sup>3</sup> 8 hours.            STEL: 125 ppm 15 minutes.            STEL: 545 mg/m<sup>3</sup> 15 minutes.</p> <p><b>NIOSH REL (United States, 6/2009).</b>            TWA: 100 ppm 10 hours.            TWA: 435 mg/m<sup>3</sup> 10 hours.            STEL: 125 ppm 15 minutes.            STEL: 545 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL (United States, 6/2010).</b>            TWA: 100 ppm 8 hours.            TWA: 435 mg/m<sup>3</sup> 8 hours.</p>

## Section 8. Exposure controls/personal protection

Solvent naphtha (petroleum), light arom.

2-butoxyethanol

1,2,4-trimethylbenzene

**NIOSH REL (United States, 6/2009).**

TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Mist

STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Mist

**OSHA PEL 1989 (United States, 3/1989).**

**Absorbed through skin.**

TWA: 25 ppm 8 hours.

TWA: 120 mg/m<sup>3</sup> 8 hours.

**NIOSH REL (United States, 6/2009).**

**Absorbed through skin.**

TWA: 5 ppm 10 hours.

TWA: 24 mg/m<sup>3</sup> 10 hours.

**ACGIH TLV (United States, 3/2012).**

TWA: 20 ppm 8 hours.

**OSHA PEL (United States, 6/2010).**

**Absorbed through skin.**

TWA: 50 ppm 8 hours.

TWA: 240 mg/m<sup>3</sup> 8 hours.

**ACGIH TLV (United States, 3/2012).**

TWA: 25 ppm 8 hours.

TWA: 123 mg/m<sup>3</sup> 8 hours.

**OSHA PEL 1989 (United States, 3/1989).**

TWA: 25 ppm 8 hours.

TWA: 125 mg/m<sup>3</sup> 8 hours.

**NIOSH REL (United States, 6/2009).**

TWA: 25 ppm 10 hours.

TWA: 125 mg/m<sup>3</sup> 10 hours.

### Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below all recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### Skin protection

##### Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

## Section 8. Exposure controls/personal protection

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid. []
- Color** : Colorless.
- Odor** : Solvent. [Strong]
- Odor threshold** : Not available.
- pH** : Not applicable.
- Melting point** : Not available.
- Boiling point** : 137°C (278.6°F)
- Flash point** : Closed cup: 27°C (80.6°F) [Tagliabue.]
- Burning time** : Not applicable.
- Burning rate** : Not applicable.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Lower: 1%  
Upper: 10.6%
- Vapor pressure** : 1.1 kPa (7.989 mm Hg) [room temperature]
- Vapor density** : >1 [Air = 1]
- Relative density** : 0.845
- Solubility** : Not available.
- Solubility in water** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- SADT** : Not available.
- Viscosity** : Not available.
- VOC content** : 8.06 lbs/gal (965.8 g/l)

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

## Section 10. Stability and reactivity

**Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

**Incompatible materials** : Reactive or incompatible with the following materials:  
oxidizing materials

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
Solvent naphtha (petroleum), light arom.	LD50 Oral	Rat	8400 mg/kg	-
	LD50 Oral	Rat	8400 mg/kg	-
2-butoxyethanol	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
	LD50 Dermal	Rabbit	220 mg/kg	-
1,2,4-trimethylbenzene	LD50 Oral	Rat	250 mg/kg	-
	LC50 Inhalation Vapor	Rat	18000 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	5 g/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
ethylbenzene	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Moderate irritant	Rabbit	-	100 Percent	-
	Eyes - Severe irritant	Rabbit	-	500 milligrams	-
Solvent naphtha (petroleum), light arom.	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-
	Eyes - Mild irritant	Rabbit	-	24 hours 100 microliters	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
2-butoxyethanol	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

## Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
xylene	-	3	-
ethylbenzene	-	2B	-
2-butoxyethanol	-	3	-

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Name	Result
ethylbenzene	ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Harmful if inhaled. May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
- Skin contact** : Causes skin irritation.
- Ingestion** : Harmful if swallowed. Corrosive to the digestive tract. Causes burns. Irritating to mouth, throat and stomach.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

## Section 11. Toxicological information

<b>General</b>	: No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	1828.8 mg/kg
Dermal	3892.3 mg/kg
Inhalation (gases)	3155.5 ppm
Inhalation (vapors)	318.5 mg/l

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
ethylbenzene	Acute EC50 4600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 3600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 2930 to 4400 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 5200 µg/l Marine water	Crustaceans - Americamysis bahia	48 hours
	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 1000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
2-butoxyethanol	Acute EC50 >1000 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 800000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours
1,2,4-trimethylbenzene	Acute LC50 4910 µg/l Marine water	Crustaceans - Elasmopus pectinicus - Adult	48 hours
	Acute LC50 7720 µg/l Fresh water	Fish - Pimephales promelas	96 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
xylene	3.16	-	low
ethylbenzene	3.1	-	low
2-butoxyethanol	0.83	-	low
1,2,4-trimethylbenzene	3.8	120.226443461	low

### Mobility in soil

## Section 12. Ecological information

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Other adverse effects : No known significant effects or critical hazards.










## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
Xylene	1330-20-7	Listed	U239

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	1993	1993	1993	1993	1993	1993
UN proper shipping name	FLAMMABLE LIQUIDS, N.O. S. (xylene)	FLAMMABLE LIQUIDS, N.O. S. (xylene)	FLAMMABLE LIQUIDS, N.O. S. (xylene)	FLAMMABLE LIQUIDS, N.O. S. (xylene)	FLAMMABLE LIQUIDS, N.O. S. (xylene)	FLAMMABLE LIQUIDS, N.O. S. (xylene)
Transport hazard class(es)	3 	3 	3  	3  	3  	3 
Packing group	III	III	III	III	III	III
Environmental hazards	Yes.	Yes.	Yes.	Yes.	Yes.	No.
Additional information	<b>Reportable quantity</b> 181.82 lbs / 82.545 kg [25.806 gal / 97.687 L] Package sizes shipped in quantities less than the product reportable	-	-	<b>Special provisions</b> 640 (E) <b>Tunnel code</b> (D/E)	-	-



## Section 14. Transport information

	quantity are not subject to the RQ (reportable quantity) transportation requirements.					
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**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) PAIR:** Nonylphenol, branched, ethoxylated  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempted.  
**Clean Water Act (CWA) 307:** ethylbenzene  
**Clean Water Act (CWA) 311:** xylene; ethylbenzene

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : Fire hazard  
 Immediate (acute) health hazard  
 Delayed (chronic) health hazard

#### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard

## Section 15. Regulatory information

xylene	50 - 100	Yes.	No.	No.	Yes.	No.
ethylbenzene	10 - 25	Yes.	No.	No.	Yes.	Yes.
Solvent naphtha (petroleum), light arom.	0 - 5	Yes.	No.	No.	Yes.	No.
2-butoxyethanol	0 - 5	Yes.	No.	No.	Yes.	No.
1,2,4-trimethylbenzene	0 - 5	Yes.	No.	No.	Yes.	No.

### SARA 313

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	xylene	1330-20-7	50 - 100
	ethylbenzene	100-41-4	10 - 25
	2-butoxyethanol	111-76-2	0 - 5
	1,2,4-trimethylbenzene	95-63-6	0 - 5
<b>Supplier notification</b>	xylene	1330-20-7	50 - 100
	ethylbenzene	100-41-4	10 - 25
	2-butoxyethanol	111-76-2	0 - 5
	1,2,4-trimethylbenzene	95-63-6	0 - 5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

- Massachusetts** : The following components are listed: XYLENE; ETHYL BENZENE; 2-BUTOXYETHANOL; PSEUDOCUMENE
- New York** : The following components are listed: Xylene (mixed); Ethylbenzene; Cumene; Benzene, 1-methylethyl-
- New Jersey** : The following components are listed: XYLENES; BENZENE, DIMETHYL-; ETHYL BENZENE; BENZENE, ETHYL-; MINERAL OIL (UNTREATED and MILDLY TREATED); 2-BUTOXY ETHANOL; BUTYL CELLOSOLVE; PSEUDOCUMENE; 1,2,4-TRIMETHYL BENZENE; CUMENE; BENZENE, (1-METHYLETHYL)-
- Pennsylvania** : The following components are listed: BENZENE, DIMETHYL-; BENZENE, ETHYL-; ETHANOL, 2-BUTOXY-; PSEUDOCUMENE; BENZENE, (1-METHYLETHYL)-

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
ethylbenzene	Yes.	No.	41 µg/day (ingestion) 54 µg/day (inhalation)	No.
Cumene	Yes.	No.	No.	No.

**Canada inventory** : All components are listed or exempted.

### International regulations

- International lists** :
- Australia inventory (AICS):** All components are listed or exempted.
  - China inventory (IECSC):** All components are listed or exempted.
  - Japan inventory:** Not determined.
  - Korea inventory:** All components are listed or exempted.
  - Malaysia Inventory (EHS Register):** Not determined.
  - New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.
  - Philippines inventory (PICCS):** All components are listed or exempted.
  - Taiwan inventory (CSNN):** Not determined.

**Chemical Weapons Convention List Schedule I Chemicals** : Not listed

**Chemical Weapons Convention List Schedule II Chemicals** : Not listed

## Section 15. Regulatory information

Chemical Weapons : Not listed  
Convention List Schedule  
III Chemicals

## Section 16. Other information

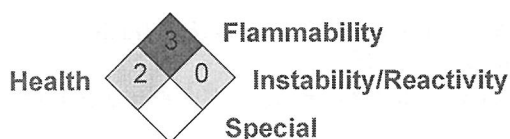
### Hazardous Material Information System (U.S.A.)

Health	2
Flammability	3
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### History

Date of printing : 2/19/2014.  
Date of issue/Date of revision : 2/19/2014.  
Date of previous issue : 1/29/2014.  
Version : 0.01

Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

References : Not available.

☑ Indicates information that has changed from previously issued version.

### Notice to reader

## Section 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.





O'Reilly +32 degree Windshield Washer Fluid  
Ozark Automotive Distributors

Revision Date: 8/28/2014  
Date Issued: 6/1/2008

MSDS Number: 9104-RB

**Section 1 – Chemical Product and Company Information**

Product Name: O'Reilly +32 degree Windshield Washer Fluid  
Ozark Automotive Distributors  
Stock / Part Number: 167325 / GAL+32  
111321 / GAL+32-55  
Product Use: Windshield Washer Fluid  
Company: South/Win Ltd.  
3818 Burlington Rd.  
Greensboro, NC 27405  
Telephone: (800) 648-4393  
Emergency Telephone Number: CHEMTREC: (800) 424-9300

**Section 2 – Composition Information**

Component	CAS #	%
Water	7732-18-5	70 - 100
Biocide Additives	Proprietary	1 – 5

**Section 3 – Hazards Identification**

Potential Health Effects:

Signs and Symptoms of Exposure:

Eyes: May cause eye irritation, a temporary burning sensation, minor redness and/or blurred vision. Vapors may be moderately irritating to the eye and surrounding tissue.  
Skin  
Absorption: No acute effects known.  
Skin Contact: No effects known.  
Inhalation: No effects known.



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Ozark Automotive Distributors

Revision Date: 8/28/2014  
Date Issued: 6/1/2008

MSDS Number: 9104-RB

Ingestion: Considered to have a low order of acute toxicity.

Aggravation of Pre-existing Conditions: Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: None

**Section 4 – First Aid Measures**

Eyes: Flush with large amounts of cold water for at least 15 minutes. Do not let victim rub eyes. Contact a physician immediately.

Skin: Wash affected area with soap and water. Do not reuse clothing soaked with this product until laundered. Discard all leather articles which have been soaked with this product. If irritation develops, contact a physician immediately.

Inhalation: If inhaled, move to fresh air. If victim has stopped breathing give artificial respiration, preferably mouth to mouth. Contact a physician immediately.

Ingestion: Induce vomiting immediately. Contact a physician immediately.

Oral LD 50: N/D

**Section 5 – Fire Fighting Measures**

Flash Point: None

Method Used: N/A

Flammable Limits in air % by volume: N/A

Auto-Ignition Temp: N/A

LEL: N/A

UEL: N/A

Extinguisher Media: Carbon dioxide, dry chemical or alcohol resistant foam



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Ozark Automotive Distributors

Revision Date: 8/28/2014  
Date Issued: 6/1/2008

MSDS Number: 9104-RB

Special Firefighting Procedures: Use carbon dioxide, dry chemical alcohol resistant foam. Do not use a direct stream of water.

Unusual Fire and Explosion Hazards: None

HMIS Rating: Health 1      Flammability 0      Reactivity 0      Other N/A

NFPA Rating: Health 1      Flammability 0      Reactivity 0

**Section 6 – Accidental Release Measures**

Spill & Leak Response: Do not allow spilled material to enter sewers or streams. Add dry material (such as diatomaceous earth, dry clay or sand) to absorb (if large spill, dike to contain). Using recommended protective equipment, pick up bulk of spill and containerize for recovery or disposal. Flush area with water to remove residues.

**Section 7 – Handling and Storage**

Handling: Avoid contact with skin, eyes and clothing. Do not wear contact lenses when handling this product. Keep out of reach of children. Wash thoroughly after handling.

Work Practice: Use only in well ventilated areas. Keep containers tightly closed and keep away from heat and open flames.





O'Reilly +32 degree Windshield Washer Fluid  
Ozark Automotive Distributors

Revision Date: 8/28/2014  
Date Issued: 6/1/2008

MSDS Number: 9104-RB

**Storage:** Store in closed, labeled containers in a cool, dry well ventilated area. Maintain closure of bungs. Store at temperatures above 0°C (32°F) and below 40°C (104°F). Do not reuse container. Avoid container damage while storing.

**Empty Container Warning:** Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, bronze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause injury or death. Do not attempt to refill containers since residue is difficult to remove. Empty drums should be completely drained, properly bunged and returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner in accordance with governmental regulations.

**Section 8 – Exposure Controls/ Personal Protection**

Exposure guidelines: None

**Protective Gloves:** Wear neoprene rubber gloves.

**Eye Protection:** Chemical goggles. Do not wear contact lenses.

**Other Protective Wear:** Wear impervious, protective clothing including rubber safety shoes to avoid prolonged or repeated skin contact.

**Work Practices:** Read label for instructions in use of product.



O'Reilly +32 degree Windshield Washer Fluid  
Ozark Automotive Distributors

Revision Date: 8/28/2014  
Date Issued: 6/1/2008

MSDS Number: 9104-RB

**Section 9 – Physical/Chemical Characteristics**

Appearance and Odor:	Blue liquid, characteristic odor
Boiling Point:	100°C (212°F)
Flash Point:	None
Method Used:	N/A
Specific Gravity:	0.999 @20°C (68 °F)
Vapor Pressure @ 20°C:	N/D
Solubility in Water:	Miscible
Freezing Point:	0 °C (32 °F)
pH:	6 - 8

**Section 10 – Stability and Reactivity**

Stability:	Stable X	Unstable
Conditions to Avoid:	Contact with heat, sparks, flame, and all sources of ignition.	
Incompatibility:	Strong acids, strong bases, and oxidizing agents.	
Hazardous Decomposition Products:	Oxides of carbon, nitrogen, sulfur, and hydrogen chloride.	
Hazardous Polymerization:	May occur	Will not occur X

**Section 11 – Toxicological Data**

Eye Irritation:	N/D
Dermal Toxicity:	N/D
Oral Toxicity:	N/D
Inhalation Toxicity:	N/D



**O'Reilly +32 degree Windshield Washer Fluid  
Ozark Automotive Distributors**

Revision Date: 8/28/2014  
Date Issued: 6/1/2008

**MSDS Number: 9104-RB**

**Carcinogenicity:**

NTP :	N/D
IARC :	N/D
ACGIH :	N/D

**Section 12 – Ecological Information**

When released into the soil, this material is expected to readily degrade.  
When released into the water, this material is expected to have a half-life between 1 and 10 days.  
Persistence and Degradability: Not established.

**Section 13 – Disposal Considerations**

**Waste Disposal:** All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with Good Engineering Practices. Comply with all applicable governmental regulations. Avoid land filling of liquids. Reclaim where possible.  
  
Product can be disposed of in a licensed facility.

**Section 14 – Transport Information**

US Department of Transportation                      None



**O'Reilly +32 degree Windshield Washer Fluid  
Ozark Automotive Distributors**

Revision Date: 8/28/2014  
Date Issued: 6/1/2008

**MSDS Number: 9104-RB**

**Section 15 – Regulatory Information**

OSHA (Occupational Safety, and Health Administration)  
29 CFR 1910.1200 Hazardous Chemical: no

SARA (Superfund Amendment and Reauthorization Act)

Section 311: Hazardous Chemical - no  
Immediate - no  
Delayed - no  
Fire - no  
Sudden Release - no  
Reactive - no

Section 313: Toxic Chemical – no

TSCA (Toxic Substance Control Act)

All of the ingredients in this product are listed on the TSCA Inventory.

California Prop 65:

This product contains no listed substances known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under the statute.

**Section 16 – Other Information**

None

Disclaimer: The information contained herein is based on the data available to us and is believed to be correct. However, South/Win, Ltd. and/or the preparer makes no warranty, expressed or implied, regarding the accuracy of this information or the results to be obtained from the use thereof. South/Win, Ltd assumes no responsibility for injury from the use of this product.

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\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

22204 - STABIL Fuel Stabilizer

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<u>SEC 1 - PRODUCT AND MANUFACTURER INFO</u>	<u>SEC 9 - PHYS, CHEM PROPERTIES</u>
<u>SEC 2 - COMPOSITION INFORMATION</u>	<u>SEC 10 - STABILITY, REACTIVITY</u>
<u>SEC 3 - HAZARDS IDENTIFICATION</u>	<u>SEC 11 - TOXICOLOGY INFORMATION</u>
<u>SEC 4 - FIRST AID MEASURES</u>	<u>SEC 12 - ECOLOGICAL INFORMATION</u>
<u>SEC 5 - FIRE FIGHTING MEASURES</u>	<u>SEC 13 - DISPOSAL CONSIDERATIONS</u>
<u>SEC 6 - ACCIDENTAL RELEASE MEASURES</u>	<u>SEC 14 - TRANSPORT INFORMATION</u>
<u>SEC 7 - HANDLING AND STORAGE</u>	<u>SEC 15 - REGULATORY INFORMATION</u>
<u>SEC 8 - EXPOSURE, PERS. PROTECTION</u>	<u>SEC 16 - ADDITIONAL INFORMATION</u>

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\*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND MANUFACTURER IDENTIFICATION \*\*\*\*

Product Name: 22204 - STABIL Fuel Stabilizer  
Part Number:  
22204  
Product CAS: Mixt-ur-e  
Product Code: 22204  
Synonyms: 22204 - STABIL Fuel Stabilizer

MANUFACTURER IDENTIFICATION

Name: Gold Eagle Company  
Address: 4400 S. Kildare Blvd.  
City: Chicago State: IL Zip: 60632-4372

For information call: 773-376-4400  
Emergency Number: N/A  
Emergency Agency: INFOTRAC  
Agency Number: 1-800-535-5053  
MSDS Effective Date: 5/3/2005  
MSDS Supersedes Date: 3/11/2010  
Miscellaneous:  
Product CAS: Mixture

Brief Description: Fuel stabilizer for gasoline powered engines.  
Return to top

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\*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

Chemical Name	CAS	MIN	MAX
Additive Mixture	(none)	0	5
Petroleum Distillate	64742-47-8	0	95

Miscellaneous:

CHEMICAL NAME	LIMIT VALUES
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Additive Mixture (CAS#:Mixture)	N/A
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Petroleum Distillate	N/A
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Return to top

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\*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

**EMERGENCY OVERVIEW:**

**NFPA:** Health: 1 Fire: 1 Reactivity: 0 Specific Hazard: None

**HMIS:** Health: 1 Flammability: 1 Reactivity: 0 PPE: B

**Miscellaneous:**

This product may contain components above de minimus concentrations that are considered carcinogenic by OSHA, IARC, NTP or Proposition 65.

**POTENTIAL HEALTH EFFECTS**

**Target Organs/Primary Route(s) of Entry:**

**Eye:**

Mild irritant.

**Skin:**

Mild irritant

**Ingestion:**

Toxicity is relatively low, there is a risk of aspiration of product into the lungs.

On ingestion of large quantities, slight GI discomfort diarrhea, and headache may occur. Small doses may produce irritation and diarrhea.

**Inhalation:**

Low risk of inhalation. Mists above TLV may cause chemical pneumonitis.

**Miscellaneous:**

[Return to top](#)

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\*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\*

**Eye:**

If the product contacts the eyes, immediately wash the eyes with large quantities of room temperature water for at least 15 minutes, occasionally lifting the lower and upper lids. Get medical attention immediately.

**Skin:**

If the product contacts the skin, promptly wash the contaminated skin with

soap and water for at least 15 minutes. If this product penetrates the clothing, promptly remove the clothing and wash the skin with soap and water.

**Ingestion:**

Do not induce vomiting, product contains petroleum distillate. Get medical attention immediately.

**Inhalation:**

Move the exposed person to fresh air at once and call emergency medical care. If breathing has stopped, give artificial respiration. If breathing is difficult, give humidified oxygen.

**Notes to Physician:**

No data available.

[Return to top](#)

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\*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

Flash Point: 183 F

AutoIgnition Temperature: N/A

**Flammable Limits**

Lower Limit: Explosive Limit (LEL): 0.8

Upper Limit: Explosive Limit (UEL): 7.0

**Extinguishing Media:**

Use carbon dioxide, dry chemical, foam and/or water fog as extinguishing media.

**Unusual Fire and Explosion Hazards:**

Water may cause frothing

**Special Fire Fighting Procedures:**

Wear NIOSH approved SCBA respirator in the positive pressure mode and



chemical  
protective clothing.

**General Information:**

Flammable Limits: 0.8 to 7.0

Return to top

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**\*\*\*\* SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\***

Small Spill: Remove sources of heat or ignition, provide adequate ventilation, contain leak using absorbent, inert, non-combustible material.

Large Spill: Contain spill, transfer to secure containers. In the event of an uncontrolled material release, the user should determine if release is reportable under applicable laws and regulations.

Return to top

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**\*\*\*\* SECTION 7 - HANDLING AND STORAGE \*\*\*\***

**Handling:**

See other sections of MSDS.

**Storage:**

See other sections of MSDS.

Return to top

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**\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\***

**GENERAL HYGIENE CONSIDERATIONS:**

Use normal hygiene practices.

**OTHER PRECAUTIONS:**

Product is combustible, handle accordingly.

**ENGINEERING CONTROLS:**

Local Exhaust: Provide local ventilation to maintain exposure levels below recommended exposure limits.

Mechanical (General): In confined spaces, mechanical ventilation may be required.

Special Ventilation: OSHA TWA=5mg/m3

**PERSONAL PROTECTIVE EQUIPMENT**

**Eyes/face:**

Use splash proof chemical, safety goggles or appropriate full-face respirator.

**Skin:**

Use oil impervious gloves as required.

**Respirators:**

Normally none is required. If high vapor or mist concentration are expected, use appropriate NIOSH approved respirator for organic vapors and mists. Respirators must be selected based on the airborne levels found in the workplace and must not exceed the working limits of the respirator.

**Other Protective Clothing/Equipment:**

If there is a possibility of exposure of an individual's body to the product, wear body-covering work clothes to avoid prolonged or repeated exposure.

[Return to top](#)

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\*\*\*\* SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*

**Appearance/Odor:**

Red liquid, solvent odor

pH: N/A

**Vapor Pressure:** (MM HG): LT 3.0

**Vapor Density (Air=1):** 4.8

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** 180 F.

**Freezing/Melting Point:** N/A

**Decomposition Temperature:** N/A

**Solubility in Water:** Negligible

Specific Gravity: 0.9

Molecular Formula: N/A

Molecular Weight: N/A

VOC Coating (minus water): 0 Lbs/Gallon

Coating Density : 0 Lbs/Gallon

Solvent Density : 0 Lbs/Gallon

Percent Solvent (volume): 60

Percent Solids (volume): 0

Percent Water (volume): 0

Percent Volatile by Weight: 0

**Miscellaneous:**

% Volatile/Volume: 100.0

Percent Solvent (Volume): N/A

Percent Solids (Volume): N/A

Percent Water (Volume): N/A

Product is combustible, keep away from sources of ignition, oxidizing materials and acid. Store in an area equipped with automatic sprinklers or fire extinguishing system. Empty containers contain product residues, assume emptied containers to have same hazards as full containers.

[Return to top](#)

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\*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

**Chemical Stability:**

Stable: Yes

**Conditions to Avoid:**

Store below 150 F. Do not apply high heat or flame to container. Keep separate from strong oxidizing agents.

**Incompatibilities with Other Materials:**  
Strong oxidants.

**Hazardous Decomposition Products:**  
Excessive heating and/or incomplete combustion will produce carbon monoxide.

**Hazardous Polymerization:**  
Hazardous polymerization may occur: No

[Return to top](#)

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\*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\*

No data available.

[Return to top](#)

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\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\*

No data available.

[Return to top](#)

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\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\*

Dispose of product in accordance with local, state, and federal regulations.  
Before attempting clean up, refer to other sections of MSDS for hazard warning information.

[Return to top](#)

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\*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\*

**Transportation Information:**  
Shipping Information (CFR 49 and IMDG):

Proper Shipping Name: Gasoline Additive, N.O.I.  
DOT Hazard Class: Not applicable  
DOT UN Number: None applicable  
IMDG Shipping Name: Non-Hazardous Gasoline Additive Flashpoint GT 141.5 F.

**Label Information:**  
No data available.

[Return to top](#)

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**\*\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*\***

SARA Title III:

Section 302: None  
Section 304: None  
Section 311: None  
Section 313: None

CERCLA:

Section 311(b)(4): Requires discharges of crude oil and petroleum products in any kind or form to waters must immediately be reported to the National Response Center at (800) 424-8802.

[Return to top](#)

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**\*\*\*\* SECTION 16 - ADDITIONAL INFORMATION \*\*\*\***

Disclaimer: Information presented herein is believed to be factual, as it has been derived from the works and opinions of persons believed to be qualified experts. However, nothing contained in this information is to be taken as warranty or representation for which the Gold Eagle Co. bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Prepared by: Mike Profetto

[Return to top](#)