



## **7. Handling and Storage**

**Precautions for Safe Handling:** Read label before use. Avoid contact with skin or eyes. Wash hands, face and any skin contact thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, eye protection, face protection. Use only according to label directions. If unsure about safe use, contact your supervisor.

**Conditions for Safe Storage:** Keep out of reach of children. Do not contaminate water, food or feed by storage and disposal. Store in tightly closed, original container in a cool (10° - 30°C), dry area.

**Incompatibility:** None known.

## **8. Exposure Controls / Personal Protection**

**Components with occupational exposure limits:** None

**Engineering Controls:** Proper ventilation in accordance with good industrial hygiene should be provided.

### **Personal Protective Equipment**

**Respiratory:** Respiratory protection is not necessary under normal conditions of use.

**Gloves:** Recommended. **Eye Protection:** Chemical resistant goggles recommended.

**Other:** Protective clothing (long sleeves, pants), eyewash, safety shower are always advisable when working with chemicals.

## **9. Physical and Chemical Properties**

<b>Physical State</b> - Liquid	<b>Auto-ignition temperature</b> - Not applicable
<b>Color</b> - Yellow	<b>Flash Point</b> - None
<b>Odor</b> - Citrus	<b>Flammability</b> - Not applicable
<b>Odor Threshold</b> - No data available	<b>Flammability Limits</b> - Not applicable
<b>Boiling Point</b> - 212°F	<b>Partition coefficient</b> - Not applicable
<b>Decomposition temperature</b> - No data available	<b>Solubility (Water)</b> - Complete
<b>Freezing Point</b> - 32°F	<b>Vapor Density</b> - No data available
<b>pH (Neat)</b> - 6.5 - 8.5	<b>Vapor Pressure</b> - No data available
<b>pH (RTU)</b> - 6.5 - 8.0	<b>Viscosity</b> - Water thin
<b>Relative Density</b> - 1.000	<b>% VOC</b> - < 1 (Excluding exempt material)
<b>Evaporation Rate</b> - Similar to water	

## **10. Stability and Reactivity**

**Reactivity:** No specific reactivity test data is available for this mixture. Under normal conditions of storage and use, hazardous reactions are not expected. **Incompatible materials:** Oxidizers.

**Chemical stability:** This product is stable at ambient temperatures and pressures.

**Conditions to avoid:** Temperatures above 50°C or below 10°C.

**Hazardous decomposition products:** None known.

## **11. Toxicological Information**

**Acute Toxicity:** Toxicity data is not available for this mixture. Data below are estimates based on summation methods.

Test	Results	Classification (A.0.4.1(c))	Basis (A.1.3.6.1)
Oral	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Dermal	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Inhalation	> 20 mg/L	Not applicable	Ingredient literature (Additive formula)
Eye Damage/Irritation	Irritation	Category 2B	Ingredient literature
Skin Damage/Irritation	Not applicable	Not applicable	Ingredient literature

**Summary:** Skin and eye contact are most likely routes of exposure. Causes eye irritation.

### **Subchronic/Chronic Toxicity:**

Test	Results	Classification	Basis
Skin Sensitization	Not a sensitizer	Not applicable	Ingredient literature.

**Summary:** Repeated or prolonged contact causes skin or eye irritation.

**Carcinogens** - Ingredients are not listed on the NTP Report on Carcinogens, IARC Monographs or by OSHA

**Other data** - No other toxicological information is available for this mixture.

## **12. Ecological Information**

This material has not been tested for acute environmental effects.

**Persistence and degradability:** Material is not persistent. All organic components > 1% are readily biodegradable.

**Bio-accumulative potential:** No evidence to suggest bio-accumulation will occur.

**Mobility:** Accidental spillage may lead to penetration of soil and groundwater.

**13. Disposal Considerations**

Do not contaminate water, food or feed by disposal. If material cannot be disposed of by use according to label directions, contact your State Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance. Rinse container after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. If container is one gallon or less, wrap empty container in plastic bag and discard in trash.

**14. Transport Information**

**Proper Shipping Name:** Not regulated **RQ - Not Applicable**  
**Shipping emergency phone:** 800-535-5053  
**Transport hazard class:** Not Applicable **Hazard Label:** Not Applicable  
**Packing Group:** Not Applicable **Emergency Guide No.:** Not Applicable **Marine Pollutant:** No

**15. Regulatory Information**

**Inventory status:** All components are listed on TSCA(US), EINECS/ELINCS(EU), DSL(Canada), AICS(Australia), ENCS(Japan).

**OSHA Hazard Communication Standard:** This product meets the §1910.1200 definition of a "Hazardous Chemical".

**Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Sections 311 and 312**

<b>Immediate (Acute) Health Hazard</b>	Yes	<b>Delayed (Chronic) Health Hazard</b>	No
<b>Fire Hazard</b>	No	<b>Reactive Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No		

**Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Section 313**

\*Chemicals marked with an asterisk in "**3. Composition/Information on Ingredients**" are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372.

**Pennsylvania/New Jersey/Massachusetts Right to Know**

See "**3. Composition/Information on Ingredients**" for hazardous and top five ingredients over 1%.

**California Proposition 65:** This product does not contain a listed substance 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.

**16. Other information**

**Date issued:** 31. 12. 2014 **F702-001 Revision:** N/A

**Disclaimer: No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, is made with respect to information concerning the product referred to in this document.** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present some degree of hazard and should be used with caution. The information and recommendations contained herein are presented in good faith. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purpose. In no event will the supplier be responsible for any damages of any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Furthermore, it is the direct responsibility of the user to comply with all applicable regulations governing the use and disposal of this material. **Prepared by:** R&D