

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Wear protective clothing and equipment as described in Section 8. Wash hands thoroughly with soap and water after use. Keep containers closed when not in use. Refer product label for additional information on use and handling.

Dispenser or Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling. If recycling is not available, put in trash collection. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, dry location away from incompatible materials. Do not store near heat or open flame. Do not freeze or expose to extreme cold for a long period. Do not contaminate water, food or feed by storage or disposal. For containers: Protect container from physical damage. When not in use keep center cap of lid closed to prevent moisture loss.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Non-Hazardous Components	None Established
Isopropanol	200 ppm TWA, 400 ppm STEL ACGIH TLV 400 ppm TWA OSHA PEL
2-Butoxyethanol	20 ppm TWA ACGIH TLV 50 ppm TWA OSHA PEL (skin)
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides	None Established
Benzyl-C12-18-alkyldimethyl ammonium chlorides	None Established

Appropriate Engineering Controls: General ventilation is adequate under normal conditions of use. Refer product label for additional information.

Individual Protection Measures, Such As Personal Protective Equipment:

Respiratory Protection: None required for normal use. In case of insufficient ventilation, wear suitable respiratory equipment. Refer product label for additional information.

Skin Protection: No special protective equipment required under normal use conditions. If needed, wear protective gloves per facility protocol to avoid skin contact.

Eye Protection: No special protective equipment required under normal use conditions. If needed, wear eye protection per facility protocol to avoid eye contact.

Other: None required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White liquid saturated on lint free wipes	Flammable limits: LEL: Not applicable UEL: Not applicable
Odor: Mild alcohol odor	Vapor pressure: Not available
Odor Threshold: Not applicable	Vapor density: Not available
pH: 11-12 (Liquid)	Relative density: 0.97 (Liquid)
Melting point/freezing point: Not applicable	Solubility(ies): Soluble in water (Liquid)
Boiling point/range: Not applicable	Partition coefficient (n-octanol/water): Not available

Flash point: Not applicable	Auto-ignition temperature: Not available
Evaporation rate: Not available	Decomposition temperature: Not available
Flammability (solid, gas): Not flammable according to Preliminary Screening Test for Readily Combustible Solids.	

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Keep away from heat, and open flames.

Incompatible Materials: Avoid contact with strong oxidizing agents, acids, anionic surfactants, soaps, and bleach solutions. Do not use on natural marble, windows, unpainted wood, brass, clear plastic or colored grout.

Hazardous Decomposition Products: Thermal decomposition may produce oxides of nitrogen and carbon, hydrogen chloride and chloride compounds.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: This product is expected to cause irritation to eyes based on test data from the OPPTS 870.2400 Acute Eye Irritation Study which resulted in Toxicity Category III.

Skin: No adverse effects are expected. This product is non-irritating based on test data from the OPPTS 870.2500 Acute Skin irritation study which resulted in Toxicity Category IV.

Inhalation: Inhalation of high concentrations of vapors may cause upper respiratory tract irritation.

Ingestion: Ingestion is unlikely for solid products. This product contains only a small amount of liquid. No adverse effects are expected.

Chronic Effects: None known.

Carcinogenicity: None of the components of this product are listed as a carcinogen or suspected carcinogen by OSHA, IARC, and NTP.

Reproductive Effects: Reproductive harm is not expected from this product.

Mutagenic Effects: Not expected to cause mutagenic activity.

Acute Toxicity:

The following values are based on OPPTS Test Data:

Oral rat LD50: >5000 mg/kg, Dermal rabbit LD50: >2000 mg/kg, Inhalation rat LC50: >2.02 mg/L/4hr

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available for this mixture. The following ecotoxicity data is for the individual components:

Isopropanol: 96 hr LC50 Bluegill (*Lepomis macrochirus*) : >1400 mg/L, 48 hr EC50 Daphnia: 13299 mg/L, 72 hr IC50 Algae: 1000 mg/L

Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides and Benzyl-C12-18-alkyldimethyl ammonium chlorides: 96 hr LC50 Fish: 0.86 ppm, 48 hr EC50 Daphnia: 0.0058-0.016 mg/L (Acute M-Factor: 100)

This product is expected to be toxic to the aquatic environment. Releases to the environment should be avoided.

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None known.

13. DISPOSAL CONSIDERATIONS

Towelette Disposal: Do not reuse towelette. Dispose of used towelette in trash. Do not flush in toilet.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling. If recycling is not available, put in trash collection.

Empty containers or liners may retain some product residues. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. This material and its container must be disposed of in a safe manner. Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
US DOT	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA	None	Not Regulated	None	None	None

Note: This product was tested according to the Preliminary Screening Test for Readily Combustible Solids from the United Nations Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria, Section 33.2.1.4.3.1.

Special precautions: None known

15. REGULATORY INFORMATION

Safety, Health, and Environmental Regulations Specific for the Product In Question:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Labeling:

Keep Out Of Reach of Children

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Causes moderate eye irritation. Avoid contact with eyes and clothing. Wash hands thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Physical or Chemical Hazards: Combustible. Do not use or store near heat or open flame. Do not use on natural marble, windows, unpainted wood, brass, clear plastic or colored grout.

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: See OSHA Hazard Classification in Section 2.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

2-Butoxyethanol (as glycol ether) 111-76-2 <5%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: This product is an EPA Registered product #9480-6. However, all of the ingredients of this product are listed on the TSCA inventory.

STATE REGULATIONS:

California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Massachusetts RTK: Isopropanol and 2-Butoxyethanol are listed.

Pennsylvania RTK: Isopropanol and 2-Butoxyethanol are listed.

Rhode Island RTK: Isopropanol and 2-Butoxyethanol are listed.

New Jersey RTK: Isopropanol and 2-Butoxyethanol are listed.

16. OTHER INFORMATION

HMIS Ratings: Health – 2	Flammability – 1	Physical Hazard - 0
NFPA Ratings: Health – 2	Flammability – 1	Instability – 0

Date of preparation: January 30, 2018

Late update: November 22, 2019