

MATERIAL SAFETY DATA SHEET

Total Solutions
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GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

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I - Product Identification

Triple Threat Foaming Selective Herbicide

PRODUCT CODE: 8363

CHEMICAL FORMULATION: Pressurized selective herbicide.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

HAZARD RATING: 4 - Extreme;

3 - High;

2 - Moderate;

1 - Slight;

0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Dimethylamine Salt of 2,4-dichlorophenoxyacetic acid	0.326	10mg/m ³	N/E	Y	N	N	2008-39-1
Dimethylamine Salt of 2-(2-Methyl-4-Chlorophenoxy) Propionic acid	0.164	N/E	N/E	Y	N	N	32351-70-5
Dimethylamine Salt of 2-(2,4-Dichlorophenoxy) Propionic acid	0.161	N/E	N/E	Y	N	N	53404-32-3

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): 212*

SPECIFIC GRAVITY (WATER = 1): 1.004*

VAPOR PRESSURE (mm Hg): Equal to water

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): >1.0*

SOLUBILITY IN WATER: Soluble

pH: 7.50-8.50*

APPEARANCE AND ODOR: Clear, light brown liquid; characteristic amine odor.*

*Tested using the liquid component

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A*

(TEST METHOD): Closed cup

NFPA 30B Rating: 1

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: N/A

LOWER: N/A

FLAME EXTENSION: N/D

EXTINGUISHING MEDIA: Water fog, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: May produce toxic and noxious fumes under extreme fire conditions. Contain runoff to prevent contamination of public water systems.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers and acids.

CONDITIONS TO AVOID: Excess heat and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of nitrogen, HCl and chlorine gas.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.

EFFECTS OF OVEREXPOSURE

IF IN EYES: Moderate irritation and redness.

IF ON SKIN: Prolonged exposure may cause mild skin irritation and dermal sensitization reactions. Harmful if absorbed through skin, may cause similar symptoms to ingestion.

IF SWALLOWED: May cause muscle weakness, nausea, vomiting, abdominal pain, fall in blood pressure or myotonia (prolonged muscular spasm) under extreme exposure conditions.

IF INHALED: Irritation to upper respiratory tract, dizziness.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention.

IF ON SKIN: Remove contaminated clothing and launder before re-use. Wash with plenty of soap and water. Obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Give affected person 1 to 2 glasses of water and induce vomiting. Never give anything to an unconscious person.

IF INHALED: Remove person to fresh air. Perform artificial respiration if indicated. Call a physician immediately.

NOTE TO PHYSICIAN: Treat symptomatically.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and contain spill. Soak up with inert absorbent material and store in a properly labeled closed container for disposal. Treat contaminated area with detergent and water.

WASTE DISPOSAL METHOD: Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Use NIOSH approved respirator with organic vapor cartridge and pesticide pre-filter to avoid breathing spray mists if necessary.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Chemical goggles and/or face shield.

OTHER PROTECTIVE EQUIPMENT: Impervious protective clothing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat or open flame. Do not contaminate water, feed or seed by storage or disposal.

OTHER PRECAUTIONS: Keep out of reach of children. Do not puncture or incinerate container.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Consumer Commodity

DOT CLASS: ORM-D

DOT ID NUMBER: N/A

DOT PACKING GROUP: N/A

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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