

# MATERIAL SAFETY DATA SHEET

Total Solutions  
P.O. Box 240014  
Milwaukee, WI 53224



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: 2

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 <sup>3</sup>	N/E	N	N	N	2008-39-1
Dimethylamine Salt of 2-(2-Methyl-4-Clorophenoxy) Propionic acid	0.164	N/E	N/E	N	N	N	66423-09-4
Dimethylamine Salt of 2-(2,4-Dichlorophenoxy) Propionic acid	0.161	N/E	N/E	N	N	N	10486-87-0
Liquid petroleum gas		1000ppm	1000ppm	N	N	N	68476-86-8

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): N/D

SPECIFIC GRAVITY (WATER = 1): 1.008\*

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): N/D

SOLUBILITY IN WATER: Soluble

pH: 9.0-10.0\*

APPEARANCE AND ODOR: White foaming 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.

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**V - Reactivity Data**

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**STABILITY:** Stable**INCOMPATIBILITY:** Strong oxidizers, bases and acids.**CONDITIONS TO AVOID:** Excess heat and open flame.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon and nitrogen, HCl and chlorine gas.**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** None

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**VI - Health Hazard Data**

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**ROUTES OF ENTRY**    **INHALATION:** X    **EYE CONTACT:** X    **SKIN CONTACT:** X    **INGESTION:**  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None.**EFFECTS OF OVEREXPOSURE****IF IN EYES:** Minimally irritating. Vapors and mist may cause irritation.**IF ON SKIN:** This product is minimally irritating. Overexposure by skin absorption may cause symptoms similar to those for ingestion.**IF SWALLOWED:** Harmful if swallowed. May cause nausea, vomiting, abdominal pain, decreased blood pressure, muscle weakness, muscle spasms.**IF INHALED:** Harmful if inhaled. May cause symptoms similar to those from ingestion. Excessive overexposure of petroleum hydrocarbon components vapors may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.**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.

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**VII - Spill or Leak Protection**

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**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.

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**VIII - Special Protection Information**

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**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:** Users should wash hands after using. Do not allow people (other than applicator) or pets on treatment areas during application. Do not enter treatment areas until spray has dried. Keep out of reach of children. Do not puncture or incinerate container.

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**IX - Transportation Information (ground transportation only)**

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**DOT ID NUMBER:** N/A**DOT PROPER SHIPPING NAME:** Consumer Commodity**DOT CLASS:** ORM-D**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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