

MATERIAL SAFETY DATA SHEET

Athea Laboratories, Inc.
P.O. Box 240014
Milwaukee, WI 53224



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

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I - Product Identification

Selective Herbicide #3

PRODUCT CODE: 0360

CHEMICAL FORMULATION: Selective herbicide concentrate.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

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 2,4- Dichlorophenoxyacetic Acid	12.30	5 mg/m ³	5 mg/m ³	Y	N	N	2008-39-1
Triisopropanolamine 2,4- Dichlorophenoxyacetic Acid	19.07	N/E	N/E	Y	N	N	32341-80-3

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): N/D

SPECIFIC GRAVITY (WATER = 1): 1.12

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: N/A

APPEARANCE AND ODOR: Clear, reddish-brown liquid; amine odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F) : >200

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/D LOWER: N/D

EXTINGUISHING MEDIA: Water spray, 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. Dike area to prevent runoff and contamination of water sources.

UNUSUAL FIRE AND EXPLOSION HAZARD: None.

V - Reactivity Data

STABILITY: Stable**INCOMPATIBILITY:** Strong acids and oxidizing agents.**CONDITIONS TO AVOID:** Elevated temperatures.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce hydrogen chloride and oxides of nitrogen.**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** **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:** Irritation, corneal opacity, irreversible eye damage, blindness.**IF ON SKIN:** Skin absorption not likely. Essentially non-irritating. May cause allergic reaction.**IF SWALLOWED:** Harmful if ingested. May cause burns to mouth and esophagus, nausea, vomiting, abdominal pain, muscle weakness, chest pain. Ingestion of large quantities may cause abdominal cramps, temporary paralysis, convulsions, prostration.**IF INHALED:** May cause upper respiratory tract irritation, dizziness, headache, nausea, vomiting.**EMERGENCY AND FIRST AID PROCEDURES****IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain immediate medical attention.**IF ON SKIN:** Wash with soap and water for at least 5 minutes. If irritation persists, obtain medical attention. Remove contaminated clothing and shoes and launder before reuse.**IF SWALLOWED:** Contact physician or poison control center immediately. Give affected person several glasses of water and induce vomiting. Never give anything to an unconscious person. Do not leave victim unattended.**IF INHALED:** Remove person to fresh air. If breathing is difficult, administer oxygen, if available. Administer artificial respiration if person has stopped breathing. Seek medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spill. Ventilate area and remove all sources of ignition. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not required**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Safety glasses or chemical goggles**OTHER PROTECTIVE EQUIPMENT:** Emergency shower and eye wash station. Protective clothing**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat or open flame. Keep container tightly closed when not in use. Do not contaminate water, feed or seed by storage or disposal.**OTHER PRECAUTIONS:** Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: RQ, Environmentally hazardous substances, liquid, n.o.s. (2,4-D salt)**DOT CLASS:** 9**DOT ID NUMBER:** UN3082**DOT PACKING GROUP:** III

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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