



PO BOX 16458 • FRESNO CA 93755

MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

VENGEANCE PLUS

I. NAME

PRODUCT/TRADE NAME: VENGEANCE PLUS
EPA REGISTRATION #: 228-411-2935
CHEMICAL NAME/Common Name:
Dimethylamine Salt of 2-Methyl-4 Chlorophenoxy Acetic Acid/MCPA
Dimethylamine Salt of (+)-R-2-Dichlorophenoxy) Propanoic Acid/2,4-DP
Triethylamine Salt of 3,5,6-Trichloro-Pyridinyloxyacetic Acid/Triclopyr

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
MCPA	2039-46-5	NE	NE
2,4-DP	104789-71-9	NE	NE
Triclopyr	57213-69-1	NE	NE

III. PHYSICAL DATA

SPECIFIC GRAVITY (H₂O = 1): 1.18
MELTING POINT: NA
VAPOR DENSITY (AIR = 1): NE
% VOLATILES BY VOL.: NA
ODOR: Amine
APPEARANCE: Amber Liquid
FLASH POINT/METHOD: >210 Deg F (Seta flash)
VAPOR PRESSURE (mmHg): NE
SOLUBILITY IN H₂O: Dispersible

IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: Water Fog Foam Alcohol Foam
 CO₂ Dry Chemical Other
FIRE FIGHTING PRECAUTIONS & HAZARDS:
Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Do not breathe smoke or mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

V. CARCINOGEN STATUS

OSHA NTP IARC No Listing Type 2B

VI. REACTIVITY

Stable HAZARDOUS POLYMERIZATION
 Unstable May Occur Will Not Occur
AVOID: Oxidizers, Mineral acids
HAZARDOUS DECOMPOSITION PRODUCTS: CO_x, NO_x, HCL

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate respiratory protective equipment. Absorb with inert material. Vacuum or sweep material up and place in an approved disposal container.
DECONTAMINATION: Treat contaminated area with detergent and water. Absorb with inert material and place in disposal container. Repeat as necessary until area is clean.
ENVIRONMENTAL HAZARDS: Dike to prevent entering drains, sewers or water courses.
DISPOSAL: Place in DOT-approved container and dispose of in an EPA Class I disposal site.

VIII. HEALTH PRECAUTION DATA

INGESTION: Acute oral LD₅₀ (rats) >500 mg/kg (Riverdale*). Do not ingest. Wash before eating, drinking or smoking. Do not store near food or feed.
INHALATION: No PEL/TLV established for this product. Avoid inhalation of vapors or spray mist. Use appropriate respiratory protection for exposures encountered.
SKIN ABSORPTION: Dermal LD₅₀ (rats) >2000 mg/kg (Riverdale*). Avoid skin contact. May be fatal. Wear appropriate personal protective equipment to reduce skin exposure.
EYE EXPOSURE: Keep out of eyes. Can cause corneal injury and irreversible eye damage. If exposed, flush eyes for a minimum of 15 minutes with water.
EFFECTS OF OVEREXPOSURE: May irritate mouth, throat and gastrointestinal tract. Symptoms of overexposure are chest pain, abdominal pain, diarrhea,

muscle twitching, stiffness, sweating and convulsions. Can be fatal. Chronic exposure may result in liver, kidney, blood or testicular injury. Preexisting conditions involving the above symptoms may be aggravated by the exposure to this product.

FIRST AID: In all cases, get prompt medical attention. If ingested, give large amounts of water. Do not induce vomiting. For eye exposure, irrigate for a minimum of 15 minutes with water. For skin exposure, remove contaminated clothing and wash with soap and water. If inhaled, remove victim to fresh air, and administer CPR if necessary.

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH/MSHA - approved respirator for pesticides for the exposures encountered. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposure operations.
PERSONAL PROTECTIVE EQUIPMENT: Neoprene or rubber boots, neoprene or nitrile gloves, chemical goggles, apron, hat and long-sleeved coveralls. For manufacture, formulation or application operations, recommend a shower at the end of the work shift.

VENTILATION: Local exhaust ventilation is recommended for manufacture or formulation. Store in a well-ventilated area. Allow closed trucks adequate time to ventilate prior to entering.

X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions.

XI. REGULATORY DATA

SARA HAZARD CLASS: Acute Chronic Flammable
 Pressure Reactive None

SARA 313: Yes No Chemical: Triclopyr

SARA 302: Yes No Chemical:

TPQ:

CERCLA: Yes No Chemical:

RQ:

RCRA: Yes No

NFPA HAZARD RATING:

Health: [3]

Fire: [1]

Reactivity: [0]

Special: []

HMS CODES:

Health: [3]

Fire: [1]

Reactivity: [0]

NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

DATE PREPARED: January 18, 2005

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Notice: This information was developed from information on the constituent materials. No warranty is expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and Wilbur-Ellis disclaims all liability for reliance thereon. The user should satisfy himself that he has all current data relevant to his particular use.

*Technical Material NE - Not Established NA - Not Applicable

24 Hour Emergency Phone Number
CHEMTREC: (800) 424-9300

