

## MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA's Hazard Communication Standard CFR 1910.1200 and OSHA Form 174.

N/A SIGNIFIES NON-APPLICABLE

## IDENTITY AND SUPPLIERS INFORMATION

PRODUCT NAME:	RAIDER IV SOIL STERILANT	CHEMICAL FAMILY:												
GMP PRODUCT NUMBER:	C577	FORMULA:	PROPRIETARY	<table><tr><th>HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM</th><th>RATING</th></tr><tr><td>HEALTH</td><td>2</td></tr><tr><td>FLAMMABILITY</td><td>2</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>MAX PERSONAL PROTECTION</td><td>B</td></tr></table>	HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING	HEALTH	2	FLAMMABILITY	2	REACTIVITY	0	MAX PERSONAL PROTECTION	B
HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING													
HEALTH	2													
FLAMMABILITY	2													
REACTIVITY	0													
MAX PERSONAL PROTECTION	B													
SUPPLIER'S NAME:	GENERAL PRODUCTS & SUPPLY, INC.	PHONE NUMBER:	(724) 327-7200											
SUPPLIER'S ADDRESS:	101 TECHNOLOGY LANE	EMERGENCY NO.:	800-255-3924											
	EXPORT, PA 15632	DATE PREPARED:	09/18/03											
PROPER SHIPPING NAME:														

## SECTION 1 - INGREDIENT IDENTIFICATION AND INFORMATION

CHEMICAL NAME	CAS NO.	OSHA PEL	WT %	EPA 40 CFR:			ACGIH TLV
				302	355	372	
Isoctyl ester of 2,4-Dichlorophenxyacetic acid	1928-43-4	10 mg/m <sup>3</sup>	1.10	Yes	No	Yes	Not Established
Bromacil	314-40-9	Not Established	0.61	No	No	Yes	10 mg/m <sup>3</sup>
Aliphatic Hydrocarbons	68476-31-3	Not Established	80.0-90.0	No	No	No	Not Established
2-Butoxyethanol	111-76-2	25 ppm (skin)	10.0-20.0	No	No	Yes	25 ppm (skin)

## SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES

## SECTION 3 - FIRE/EXPLOSION HAZARD DATA

BOILING POINT:	Not Determined	FLAMMABILITY:	AUTO IGNITION TEMP:
VAPOR PRESSURE: (mm Hg)	Not Determined	FLASH POINT: 145°F	
VAPOR DENSITY:	Not Determined	FLAMMABILITY LIMITS: %UEL: Not Determined %LEL: No Determined	
SOLUBILITY IN WATER:	Insoluble	EXTINGUISHER MEDIA: Foam, carbon dioxide, dry chemical..	
SPECIFIC GRAVITY:	0.875.	SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus. Minimize amount of water used to fight fire as run-off may cause pollution.	
pH RANGE:	Not Applicable	UNUSUAL FIRE/EXP. HAZARDS: Solvent vapors may cause flashback.	
EVAPORATION RATE: (Ether=1)	>1.0		
PHYSICAL DESCRIPTION:	Reddish brown liquid; fuel oil odor.		

## SECTION 4 - REACTIVITY HAZARD DATA

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will Not Occur.
INCOMPATIBILITY:	Strong oxidizers.
CONDITIONS TO AVOID:	Excess heat and open flame.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may produce oxides of carbon.

## SECTION 5 - HEALTH HAZARD DATA AND FIRST AID

PRIMARY ROUTES OF ENTRY:		FIRST AID PROCEDURES:	
ACUTE EFFECTS:		SKIN:	Remove and launder all affected clothing. Was with soap and water. If irritation persists, obtain medical attention.
SKIN:	Redness, dryness and irritation with prolonged or repeated exposure.	EYES:	Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.
EYES:	Severe irritation, redness, tearing and blurred vision.	INHALATION:	Remove person to fresh air. IF breathing has stopped, give artificial respiration. Obtain medical attention.
INHALATION:	Irritation to upper respiratory tract, weakness, headache, nausea, unconsciousness.	INGESTION:	Contact physician or poison control center immediately. Do not induce vomiting.
INGESTION:	Gastrointestinal irritation, nausea, cramps, vomiting.		

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION:	Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.
PROTECTIVE GLOVES:	Chemical resistant.
EYE PROTECTION:	Safety goggles or face shield.
VENTILATION REQUIREMENTS:	Local ventilation recommended.
OTHER PROTECTIVE EQUIPMENT:	Eyewash station, protective clothing.
HYGIENIC WORK PRACTICES:	Do not eat, drink or smoke in work area. Wash hands after handling. Launder contaminated clothing.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:	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 METHODS:	Consult local environmental authorities.
PRECAUTIONS IN HANDLING AND STORAGE:	Store in a cool, dry place away from heat and open flame. Keep container tightly closed when not in use. Do not contaminate water, foodstuffs or feed by storage or disposal.
OTHER PRECAUTIONS:	KEEP OUT OF REACH OF CHILDREN.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without any warranty or guarantee of any kind.