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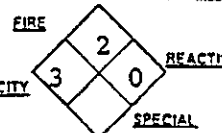
215 E. 5th Ave.
HILLSBORO, OR 97123

MATERIAL SAFETY DATA SHEET

ROHM AND HAAS COMPANY

CORPORATE PRODUCT INTEGRITY DEPARTMENT
INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19105EMERGENCY TELEPHONE
215-592-3000 (ROHM AND HAAS)
800-424-9300 (CHEMTREC)

HAZARD RATING

4-EXTREME
3-HIGH
2-MODERATE
1-SLIGHT
0-INSIGNIFICANT
**SEE SECTION IV

MATERIAL SAFETY DATA SHEET

OSHA HAZARDOUS

LIST 5

MATERIAL

GOAL® 1.6E Herbicide

CODE

62757

KEY

893541-4

DDT HAZARD CLASS

COMBUSTIBLE LIQUID

DATE ISSUED

06/21/85

RECEIVED

JUN 17 1985

FORMULA

CHEMICAL NAME OR SYNONYMS

2-Chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene; Oxyfluorfen; RH-2915

I - COMPOSITIONAL INFORMATION

	CAS Reg. No.	APPROX WT %	R&H OSHA ACGIH
Oxyfluorfen	42874-03-3	19-20	0.2 NE NE mg/m3
Related reaction products	NE	80-81	NE NE NE
Emulsifiers	NE		NE NE NE
Xylene	25551-13-7		50 100 100 ppm SKIN
Cyclohexanone	108-94-1		25 50 25 ppm

II - PHYSICAL PROPERTY INFORMATION

APPEARANCE - ODDR - pH			VISCOSITY
Dark, opaque liquid; aromatic odor; pH 7.0			.00505 poise
MELTING OR FREEZING POINT	BOILING POINT	VAPOR PRESSURE (mm Hg)	VAPOR DENSITY (AIR=1)
No data	139-156C /282-313F	4 @25C/77F(est.)	>1
SOLUBILITY IN WATER	PERCENT VOLATILE (BY WEIGHT)	SPECIFIC GRAVITY (WATER=1)	EVAPORATION RATE (BUTYL ACETATE=1)
Emulsifiable	45-80	0.99 g/ml	<1

III - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT	AUTO IGNITION TEMPERATURE	LOWER EXPLDION LIMIT (%)	UPPER EXPLOSION LIMIT (%)
40C/104F SFCC	460C/860F (xylene)	1.1 (xylene)	7.0 (xylene)

EXTINGUISHING MEDIA

☐ FOAM ☒ "ALCOHOL" FOAM ☒ CO₂ ☒ DRY CHEMICAL ☒ WATER SPRAY ☒ OTHER HI-EX Foam

SPECIAL FIRE FIGHTING PROCEDURES

Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH-approved or equivalent) and full protective gear. Use water spray to cool containers. Run-off should be contained.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire produces toxic products: hydrogen chloride and hydrogen fluoride. Pesticides particulates can become airborne. Remain upwind. Avoid smoke.

IV - HEALTH HAZARD INFORMATION

ROHM AND HAAS RECOMMENDED WORK PLACE EXPOSURE LIMITS

TWA-See SECTION I. STEL=1.6 mg/m3 oxyfluorfen, 75ppm xylene, 75ppm cyclohexanone.

EFFECTS OF OVEREXPOSURE

Inhalation: Vapor or mist can irritate the nose and throat and cause drowsiness, slurred speech, headache, nausea, dizziness, stupor and unconsciousness.**Skin Contact:** Severely irritating to skin. Repeated, prolonged contact can result in defatting and drying of the skin which may lead to dermatitis.**Eye Contact:** Severely irritating to eyes; possibly permanent injury.**Ingestion:** Possibly harmful if swallowed.**Delayed Effects:** Repeated overexposure can cause liver and kidney damage, and central nervous system effects.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move subject to fresh air.**Eye and Skin Contact:** Flush eyes with a large amount of water for at least 15 minutes. Get prompt medical attention. Wash skin thoroughly with soap and water. Remove and wash clothing before reuse.**Ingestion:** If swallowed dilute by giving 2 glasses of water to drink. See a physician. Never give anything by mouth to an unconscious person. See NOTE TO PHYSICIAN in Section X.

V - REACTIVITY INFORMATION

STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE		CONDITIONS TO AVOID None known
HAZARDOUS DECOMPOSITION PRODUCTS None known		
HAZARDOUS POLYMERIZATION <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR		CONDITIONS TO AVOID NA
INCOMPATIBILITY (MATERIALS TO AVOID) <input type="checkbox"/> WATER <input checked="" type="checkbox"/> OTHER Strong oxidizers		

VI - SPILL OR LEAK PROCEDURE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Eliminate ignition sources. Ventilate area. Avoid breathing vapor. Wear respirator suitable for vapor concentration encountered (MSHA/NIOSH-approved or equivalent). Dike and contain spill with inert material (e.g., sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Thoroughly launder clothing before reuse. DO NOT take clothing home to be laundered. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

WASTE DISPOSAL METHODS For discard, this is a hazardous waste, RCRA #D-001, ignitable. Reportable quantity 1 lb. (CERCLA(Superfund)Section 103). In accordance with federal, state, and local regulations: incinerate in approved equipment.

VII - SPECIAL PROTECTION INFORMATION

VENTILATION TYPE
Explosion-proof mechanical ventilation to keep vapors below TLV and LEL.

RESPIRATORY PROTECTION
Wear suitable respirator (MSHA/NIOSH-approved or equivalent) where exposure limits are exceeded.

PROTECTIVE GLOVES
Immediate

EYE PROTECTION
Chemical splash goggles (ANSI Z-87.1)

OTHER PROTECTIVE EQUIPMENT
Eyewash facility; emergency shower

VIII - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE MAX. MIN. 0C/32F		INDOOR YES	HEATED NO	REFRIGERATED NO	OUTDOOR NO
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CONTAINER DISPOSAL: Triple rinse (or equivalent) or puncture and dispose in accordance with Federal, state and local regulations.

DO NOT store near food or feed. Store away from excessive heat (e.g., steam pipes, radiators), from sources of ignition, and from reactive materials.

IX - TOXICITY INFORMATION

Oral LD50 rat: >0.5 but <5.0 g/kg; Dermal LD50 rabbit: >5 g/kg (males and females)
Skin rabbit: severely irritating
Eye rabbit: severely irritating
Inhalation rat LC50 > 22.64 mg/l (nominal concentration)

X - MISCELLANEOUS INFORMATION

Note to Physician: Petroleum distillates present. Evacuation of the stomach might be advisable.

NE=None established.

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NA - NOT APPLICABLE C - CEILING VALUE	KEY 893541-4	DATE OF ISSUE 06/21/85	SUPERSEDES 05/13/85
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