



PO BOX 16458 • FRESNO CA 93755

# MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

## CROSSING 4F

### I. NAME

PRODUCT/TRADE NAME: CROSSING 4F  
EPA REGISTRATION #: 279-3295-2935  
CHEMICAL NAME/Common Name:  
N-(2,4-dichloro-5-(4-difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl(phenyl)methanesulfonamide/Sulfentrazone  
Methyl Benzene/Toluene  
Propylene Glycol/Propylene glycol

### II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Sulfentrazone	122836-35-5	NE	NE
Toluene	108-88-3	200 ppm	300 ppm
Propylene Glycol	57-55-6	10 mg/m <sup>3</sup>	NE

### III. PHYSICAL DATA

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.206  
MELTING POINT: NE  
VAPOR DENSITY (AIR = 1): NA  
% VOLATILES BY VOL.: NA  
ODOR: Alcohol  
APPEARANCE: Off-white liquid  
FLASH POINT/METHOD: >199 Deg. F TCC  
VAPOR PRESSURE (mmHg): NA  
SOLUBILITY IN H<sub>2</sub>O: Disperses

### IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA:  Water Fog  Foam  Alcohol Foam  
 CO<sub>2</sub>  Dry Chemical  Other

FIRE FIGHTING PRECAUTIONS & HAZARDS:  
Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Avoid breathing vapors and spray mist. Avoid contact with fallout and runoff. Toxic gases are evolved when material is overheated. Dike to prevent entering drains, sewers and watercourses. Evacuate people downwind from fire.

### V. CARCINOGEN STATUS

OSHA  NTP  IARC  No Listing Type:

### VI. REACTIVITY

Stable  HAZARDOUS POLYMERIZATION  
 Unstable  May Occur  Will Not Occur

AVOID: Excessive heat

HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>x</sub>, NO<sub>x</sub>, SO<sub>x</sub>, HCl, HF

### VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate respiratory and personal protective equipment. Absorb with inert material and sweep or vacuum into an approved disposal container.

DECONTAMINATION: Treat area with detergent and water. Absorb with inert material and place in approved disposal container. Repeat as necessary until area is clean.

ENVIRONMENTAL HAZARDS: Slightly toxic to fish. Dike areas to prevent entering drains, sewers or water courses.

DISPOSAL: Use a DOT-approved container and dispose of in an EPA Class I disposal site.

### VIII. HEALTH PRECAUTION DATA

INGESTION: Acute Oral LD<sub>50</sub> (rat) 2084 mg/kg (FMC). Do not ingest. Wash thoroughly before eating, drinking or smoking. Do not store near food or feed. May be fatal.

INHALATION: No PEL/TLV. Avoid breathing vapors.

SKIN ABSORPTION: Dermal PEL/TLV LD<sub>50</sub> (rat) >2000 mg/kg (FMC). May cause skin irritation. Wear proper personal protective equipment to minimize exposure or spray mist. Wear appropriate respiratory protection for exposures above the PEL/TLV.

EYE EXPOSURE: Avoid eye contact. May cause mild eye irritation. Can be an eye irritant. Wear proper eye protection to prevent exposure. If contact occurs, flush eyes with water for a minimum of 15 minutes.

EFFECTS OF OVEREXPOSURE: This product has moderate inhalation toxicity. Oral and dermal toxicity is low. It is mildly irritating to the eyes and slightly irritating to the skin. Symptoms of overexposure include convulsions, tremors, increased sensitivity to touch and sound, labored breathing, decreased ability to move, tearing, nasal discharge and lack of coordination. Chronic exposure may cause kidney and liver damage. Preexisting medical conditions involving the above symptoms may be aggravated by exposure.

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

### IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH/MSHA-approved respirator for pesticides for exposures up to 10 times the PEL/TLV. Positive pressure self-containing breathing apparatus should be used for confined space entry and exposure above 10 times the PEL/TLV.

PERSONAL PROTECTIVE EQUIPMENT: Rubber or neoprene boots, nitrile or neoprene gloves, long-sleeved coveralls, hat and safety goggles or glasses with side shields and brow protection and apron where necessary. For manufacture, formulation or application operations, recommend a shower at the end of the work shift.

VENTILATION: Local exhaust ventilation is recommended for manufacture and 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. Do not store near sparks, open flame or heat source.

### XI. REGULATORY DATA

SARA HAZARD CLASS:  Acute  Chronic  Flammable  
 Pressure  Reactive  None

SARA 313:  Yes  No Chemical: Toluene

SARA 302:  Yes  No Chemical:

TPC: None

CERCLA:  Yes  No Chemical: Toluene

RO: 1,000\*

RCRA:  Yes  No

NFPA HAZARD RATING:

Health: [2]

Fire: [1]

Reactivity: [0]

Special: [ ]

HMIS CODES:

Health: [2]

Fire: [1]

Reactivity: [0]

NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMIS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

DATE PREPARED: June 10, 2005

REVISED DATE:

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\*Technical Material NE - Not Established NA - Not Applicable

24 Hour Emergency Phone Number

CHEMTREC: (800) 424-9300