



PO BOX 16458 • FRESNO CA 93755

MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

TIE DOWN

I. NAME

PRODUCT/TRADE NAME: TIE DOWN

EPA REGISTRATION #: 100-927-2935

CHEMICAL NAME/COMMON NAME:

3,6-dichloro-o-anisic acid/Dicamba

3-(6-methoxy-4-methyl-1,3,5-triazin-2-yl)-1-[2-(2-chloroethoxy)phenylsulfonyl]-urea/Triasulfuron

Amorphous Silica/Silica

Corn Starch/Corn Starch

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Dicamba	1982-69-0	10 mg/m3	10 mg/m3
Triasulfuron	82097-50-5	NE	NE
Silica	7631-86-9	80 mg/m3	NE
Corn Starch	9005-25-8	15 mg/m3	10 mg/m3
Stabilizer	Mixture	15 mg/m3	10 mg/m3

III. PHYSICAL DATA

SPECIFIC GRAVITY (H2O = 1): NA

MELTING POINT: NA

VAPOR DENSITY (AIR = 1): NA

% VOLATILES BY VOL.: NA

ODOR: Phenolic

APPEARANCE: Grey to brown granules

FLASH POINT/METHOD: NA

VAPOR PRESSURE (mmHg): NA

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. Product is combustible powder and should not be mixed with flammable solvent vapors. Do not breathe smoke or spray 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: Crystalline Silica

VI. REACTIVITY

☒ Stable HAZARDOUS POLYMERIZATION

☐ Unstable ☐ May Occur ☒ Will Not Occur

AVOID:

HAZARDOUS DECOMPOSITION PRODUCTS: COx

VII. SPILL OR LEAK PROCEDURES

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

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

ENVIRONMENTAL HAZARDS: May be toxic to aquatic organisms. Dike to prevent entering drains, sewers or water courses.

DISPOSAL: Use DOT-approved disposal containers and dispose of in an EPA Class I disposal facility.

VIII. HEALTH PRECAUTION DATA

INGESTION: Acute oral LD50 (rat) 4541 mg/kg (Syngenta). Do not ingest. Wash thoroughly before eating, drinking or smoking. Do not store near feed or food.

INHALATION: PEL/TLV 3 mg/m3 (Syngenta). Avoid inhalation of powder. Wear proper respiratory protection for exposures above the PEL/TLV.

SKIN ABSORPTION: Acute dermal LD50 (rabbit) >2,000 mg/kg (Syngenta). Can irritate skin. Avoid skin contact. Wear proper personal protective equipment to reduce potential of dermal exposure.

EYE EXPOSURE: Keep out of eyes. May cause mild eye irritation and conjunctivitis. If contact occurs, flush eyes for a minimum of 15 minutes with water. Wear proper eye protection to prevent exposure.

EFFECTS OF OVEREXPOSURE: May cause skin irritation or rash and irritation to eyes and mucous membranes. Product is not a sensitizer. May cause liver enlargement, spleen and thyroid effects and red blood cell destruction, resulting in anemia and cyanosis. Chronic exposure may effect liver, blood and thyroid. Preexisting medical conditions involving the above symptoms may be aggravated by exposure.

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

IX. SPECIAL PROTECTION INFORMATION

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

PERSONAL PROTECTIVE EQUIPMENT: Wear rubber or neoprene boots, neoprene or nitrile gloves, long-sleeved coveralls, hat and safety goggles or glasses with side shields and brow protection. For manufacture, formulation and application operations, recommend a shower at the completion 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

Read and follow all label instructions. Keep out of reach of children. Do not store near heat, flame or other ignition sources. Tests in some animals demonstrate carcinogenic and embryotoxic activity. This product contains clay and small amounts of crystalline silica may be found. Inhalation of larger amounts of crystalline silica may cause pulmonary fibrosis.

XI. REGULATORY DATA

SARA HAZARD CLASS: ☒ Acute ☒ Chronic ☒ Flammable
☐ Pressure ☐ Reactive ☐ None

SARA 313: ☒ Yes ☐ No Chemical: Dicamba

SARA 302: ☐ Yes ☒ No Chemical:

TPQ:

CERCLA: ☒ Yes ☐ No Chemical: Dicamba

RQ: 1000*

RCRA: ☐ Yes ☒ No

NFPA HAZARD RATING:

Health: [1]

Fire: [2]

Reactivity: [0]

Special: [0]

HMIS CODES:

Health: [1]

Fire: [2]

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: February 19, 2009

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*Technical Material NE - Not Established NA - Not Applicable

24 Hour Emergency Phone Number

CHEMTREC: (800) 424-9300

