



Material Safety Data Sheet

OSHA / ANSI Z400.1-2004 Compliant

MSDS date: 14-Mar-2006

NFPA Rating: Health: 0 Flammability: 1 Instability: 0
HMIS Rating: Health: 0 Flammability: 1 Physical Hazard: 0 Personal Protection: X

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SOILFIX IR
Product Number: 2091956
Chemical Family: Copolymer of sodium acrylate and acrylamide.
Intended Use: Soil Treatment
Manufacturer/Supplier: Ciba Specialty Chemicals Corporation
2301 Wilroy Road
Suffolk, VA 23434
8:30am - 5pm Phone Number: 1-757-538-3700
MSDS Request Line (voicemail): 1-800-431-2360
Customer Service/Product Information 1-800-322-3885
Emergency 24-Hour Health/Environmental Phone: 1-800-873-1138

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Signal Word: CAUTION!
Physical Form: Granular powder
Color: White
Odor: Little or no
Health: This product has no known adverse effect on human health.
Physical Hazards: Refer to MSDS Section 7 for Dust Explosion information. .

OSHA Hazardous Substance: This material is classified as not hazardous under OSHA regulations.
Primary Route(s) of Entry: Ingestion, Skin, Inhalation, Eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material does not contain any hazardous components above OSHA thresholds

4. FIRST AID MEASURES

Eyes:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin:	Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.
Inhalation:	Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult, give oxygen and get immediate medical attention.
Ingestion:	Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Fire Fighting Measures:	Standard procedure for chemical fires.
Suitable Extinguishing Media:	Carbon dioxide, dry chemical, foam or water mist.
Unsuitable Extinguishing Media:	If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.
Fire Fighting Equipment:	Wear self-contained breathing apparatus and protective suit.
Unusual hazards:	The product can form an explosive dust/air mixture. For further information, see Section 7 Explosion Hazards.
Hazardous Combustion Products:	Burning may produce toxic combustion products.

6. ACCIDENTAL RELEASE MEASURES

Cleanup Instructions:	Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Wear suitable protective equipment. Should not be released into the environment.
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7. HANDLING AND STORAGE

Handling:	As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin, and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation.
Storage:	Keep containers tightly closed in a cool, well-ventilated place.

Explosion Hazards:

- Combustible powder.
- Avoid creating dusty conditions.
- Grounding is required when emptying into a conductive container.
- When flammable solvents are present, the container must be inerted or the system otherwise designed to prevent or contain an explosion. Seek expert advice.

In addition, for products packaged in fused-lined (coated) fiber drums, fiber drums with conductive liners, steel drums, steel pails, and Type "C" FIBC (bulk bags), or other conductive the following instructions also apply:

- Always ground this package before emptying.

The user is responsible for designing the system to handle solid and ensuring proper training of employees in the system's use.

For Industrial Use Only**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines:****Personal Protective Equipment**

- Eye/Face Protection:** Wear safety glasses or goggles to protect against dust particles.
- Skin Protection:** Wear chemical resistant gloves and protective clothing.
- Respiratory Protection:** Use NIOSH approved respirator as needed to mitigate exposure.
- Engineering Controls:** Work in well ventilated areas. Do not breathe dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Granular powder
Color:	White
Odor:	Little or no.
Freezing/Melting Point:	Not determined
Solubility in water:	Soluble, solubility limited by viscosity
Vapor Density:	Not applicable
Vapor Pressure:	Not applicable
Density:	~ 0.75
Specific Gravity:	Not applicable
pH:	~ 6 (1% solution)
Percent Volatile:	None expected above trace levels.
VOC:	Not determined
Partition Coefficient (Octanol/Water):	Not determined
Decomposition Temperature:	Not determined
Flammability Limits in Air:	
Flash point:	Not applicable
Test Method (for Flash Point):	Not applicable

10. STABILITY AND REACTIVITY

- Stability:** Stable.

Conditions to Avoid:	Avoid static discharge.
Incompatibility:	Strong oxidizing agents, strong acids, strong bases.
Hazardous Decomposition Products:	No decomposition expected under normal storage conditions.
Possibility of Hazardous Reactions:	None expected.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	Low oral toxicity. LD50: > 2000 mg/kg (Rats) (based on similar product)
Acute Dermal Toxicity:	Not determined
Acute Inhalation Toxicity:	Not determined.
Eye Irritation:	Not determined.
Skin Irritation:	Not determined.
Skin Sensitization:	Not determined
Carcinogenicity (IARC; NTP; OSHA; ACGIH):	None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.
Carcinogenicity Studies:	Not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.
Mutagenicity:	No data for product. No effects anticipated.
Reproductive Toxicity:	No data for product. No effects anticipated.
Teratogenicity:	Not determined. No effects anticipated.
Neurotoxicity:	Not determined
Subacute Toxicity:	Not determined
Subchronic Toxicity:	Not determined
Chronic toxicity:	Not determined
Absorption / Distribution / Excretion / Metabolism:	Not determined
Additional Information:	Not determined

12. ECOLOGICAL INFORMATION

Toxicity to Fish:	LC50 740 mg/L 96 hour (Rainbow trout)
Toxicity to Invertebrates:	LC50 > 1000 mg/L 48 hour (Daphnia magna)

Toxicity to Algae:	Not determined
Toxicity to Sewage Bacteria:	Not determined
Activated Sludge Respiration Inhibition Test:	Not determined
Biochemical Oxygen Demand (BOD):	Not determined
Chemical Oxygen Demand (COD):	Not determined
Total Oxygen Demand (TOD):	Not determined
Biodegradability:	Not determined
Bioaccumulation:	Not determined
Additional Environmental Data:	Product not considered toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with local, state, provincial and federal regulations.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT):

Not regulated for this mode of transport.

International Maritime Dangerous Goods (IMDG):

Not regulated for this mode of transport.

International Air Transportation Authority (IATA):

Not regulated for this mode of transport.

15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazardous Substance: This material is classified as not hazardous under OSHA regulations

Clean Air Act - Hazardous Air Pollutants (HAP): This product contains the following Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

Components	CAA Section 112 Statutory Hazardous Air Pollutants
2-propenamide 79-06-1 (0-0.09999 %)	Listed.
2-Propenoic acid 79-10-7 (0-0.5 %)	Listed.

Clean Air Act - Volatile Organic Compounds (VOC): This product contains the following SOCM Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 60.489).

Components	CAA Section 111 Volatile Organic Compounds
Urea 57-13-6	Listed.
2-propenamide 79-06-1	Listed.
2-Propenoic acid 79-10-7	Listed.

Clean Air Act - Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act - Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261.21).

SARA Section 302 Extremely Hazardous Substances (EHS): This product contains the following component(s) regulated under Section 302 (40 CFR 355) as Extremely Hazardous Substances.

Components	Section 302 Extremely Hazardous Substances (EHS)
2-propenamide 79-06-1 (0-0.09999 %)	Listed.

SARA Section 304 CERCLA Hazardous Substances: This product contains the following component(s) regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification ("CERCLA" List).

Components	Section 304 CERCLA Hazardous Substances	CERCLA Reportable Quantity
2-propenamide 79-06-1 (0-0.09999 %)	Listed.	5000 LBS
2-Propenoic acid 79-10-7 (0-0.5 %)	Listed.	5000 LBS

SARA Section 311/312 Hazard Communication Standard (HCS): This product is not regulated under Section 311/312 HCS (40 CFR 370).

SARA Section 313 Toxic Chemical List (TCL): This product does not contain any component(s) listed on the Section 313 Toxic Chemical List.

TSCA Section 8(b) Inventory Status: All component(s) comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 5(e) Consent Orders: This product is not subject to a Section 5(e) Consent Order.

TSCA Significant New Use Rule (SNUR): This product is not subject to a Significant New Use Rule (SNUR).

TSCA Section 5(f): This product is not subject to a Section 5(f)/6(a) rule.

TSCA Section 12(b) Export Notification: This product contains the following component(s) that are subject to a Section 12(b) Export Notification:

State Regulations

California Proposition 65: This product contains the following component(s) currently on the California list of Known Carcinogens and Reproductive Toxins.

Components	California Proposition 65
2-propenamide 79-06-1	Carcinogenic.

Pennsylvania Right-To-Know: This product contains the following component(s) which are subject to Pennsylvania Right-to-Know disclosure requirement.

Components	CAS Number	Pennsylvania Right-to-Know
2-Propenoic acid	79-10-7	Listed. Environmental hazard.
2-propenamide	79-06-1	Listed. Environmental hazard.

International Regulations

Chemical Weapons Convention (CWC): This product does not contain any component(s) listed under the Chemical Weapons Convention Schedule of Chemicals.

16. OTHER INFORMATION

Disclaimer: The information contained herein is based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to such data or information. The user is responsible for determining whether the product is suitable for its intended conditions of use.