

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Surepyc</b>	
<b>Other means of identification</b>		
<b>SDS number</b>	550_v1.0	
<b>Recommended use</b>	Herbicide.	
<b>Recommended restrictions</b>	No other uses are advised.	
<b>EPA Registration number</b>	EPA: 74530-63-5481	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
<b>Company name</b>	AMVAC Chemical Corporation	
<b>Address</b>	4100 E Washington Blvd Los Angeles, CA 90023 USA	
<b>Telephone</b>	AMVAC Chemical Corp	323-264-3910
	AMVAC Chemical Corp	323-268-1028 (FAX)
<b>Website</b>	www.Amvac-Chemical.com	
<b>E-mail</b>	CustServ@Amvac-Chemical.com	
<b>Emergency phone number</b>	Medical	888-681-4261
	CHEMTREC@ (USA+Canada)	800-424-9300
	Product Use	888-462-6822
	CHEMTREC@ (Outside USA)	+1-703-527-3887

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Acute toxicity, oral	Category 4
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Warning	
<b>Hazard statement</b>	Harmful if swallowed.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Wash hands and face thoroughly after handling. Do not eat, drink or smoke when using this product.	
<b>Response</b>	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Get medical advice/attention if you feel unwell.	
<b>Storage</b>	Store in original container.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	May cause slight skin irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.	
<b>Supplemental information</b>	None.	

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
N-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)phenyl)methanesulfonamide	Sulfentrazone	122836-35-5	39.6
Other ingredients			60.4

Values are not product specifications.

#### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
<b>Skin contact</b>	Remove and isolate contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center for treatment advice.
<b>Eye contact</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyes and lids with water. Call a physician or poison control center for treatment advice.
<b>Ingestion</b>	Call a physician or poison control center immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting without advice from poison control center. Do not give anything by mouth to an unconscious person.
<b>Most important symptoms/effects, acute and delayed</b>	Not available.
<b>Indication of immediate medical attention and special treatment needed</b>	Treatment is controlled removal of exposure. Provide general supportive measures and treat symptomatically.
<b>General information</b>	Have the product label with you when calling a poison control center or doctor or going for treatment.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Dry chemical or CO2. Foam.
<b>Unsuitable extinguishing media</b>	Do not use water jet.
<b>Specific hazards arising from the chemical</b>	Product is not flammable.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Fire fighting equipment/instructions</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Isolate and post spill area. Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation.
<b>Methods and materials for containment and cleaning up</b>	Dike to contain spill with inert material (e.g. sand, silica gel, or binder) for transfer to disposal containers. Pick up and transfer to properly labeled containers for disposal. Thoroughly clean tools and contaminated surfaces with bleach solution and soap. Place rinse waters into disposal containers.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, lakes, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. If spill is on soil near desirable trees or plants remove top soil after initial clean-up.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Use only with adequate ventilation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product.
<b>Conditions for safe storage, including any incompatibilities</b>	Store and handle in accordance with good industrial hygiene practices. Keep container tightly closed. Store in cool place. Store in a well-ventilated place.  Separate pesticides during storage to prevent cross-contamination of other pesticides, fertilizer, food and feed.

## 8. Exposure controls/personal protection

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Eye wash fountain and emergency showers are recommended. Ensure adequate ventilation, especially in confined areas.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Safety glasses with side shields. If there is a potential for splashing Goggles or a full face shield should be used.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Long-sleeved shirt and long pants or coveralls, socks and closed toe shoes are required. Wash work clothing before reuse.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Recommended is a dust/mist filtering respirator with organic cartridge(s) or pesticide rated filters.
<b>Thermal hazards</b>	Not available.

## 9. Physical and chemical properties

<b>Appearance</b>	Opaque, off-white liquid
<b>Physical state</b>	Liquid.
<b>Form</b>	Not available.
<b>Color</b>	Off-white
<b>Odor</b>	Sulfur-like
<b>Odor threshold</b>	Not available.
<b>pH</b>	4.85 (1% w/v aqueous suspension)
<b>Melting point/freezing point</b>	Not applicable
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	Not flammable
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not applicable
<b>Vapor density</b>	Not available.
<b>Relative density</b>	1.18 g/ml @ 20°C
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Miscible - dispersible
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>10. Stability and reactivity</b>	
<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Not available.
<b>Possibility of hazardous reactions</b>	Not available.
<b>Conditions to avoid</b>	Not available.
<b>Incompatible materials</b>	Not available.

**Hazardous decomposition products** Not available.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** Not available.

**Skin contact** Not available.

**Eye contact** Not available.

**Ingestion** Not available.

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

#### Acute toxicity

Product	Species	Test Results
Surepyc		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Rat	> 5.05 mg/l
<b>Oral</b>		
LD50	Rat	1750 mg/kg

Components	Species	Test Results
N-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazolo [1-1-yl]phenyl)methanesulfonamide (CAS 122836-35-5)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 5000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5.13 mg/l
<b>Oral</b>		
LD50	Rat	3129 mg/kg

**Skin corrosion/irritation** Slightly irritating.

**Serious eye damage/eye irritation** Not available.

#### Respiratory or skin sensitization

**Respiratory sensitization** Not available.

**Skin sensitization** Not a sensitizer.

**Germ cell mutagenicity** Not available.

**Carcinogenicity** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

#### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**Reproductive toxicity** Not available.

**Specific target organ toxicity - single exposure** Not available.

**Specific target organ toxicity - repeated exposure** Not available.

**Aspiration hazard** Not available.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life.  
Keep out of any body of water.

Components		Species	Test Results
N-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)phenyl)methanesulfonamide (CAS 122836-35-5)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Daphnia	60.4 mg/l, 48 h
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	93.8 mg/l, 96 h
		Oncorhynchus mykiss	120 mg/l, 96 h
Additional components		Species	Test Results
Propylene glycol (CAS 57-55-6)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	710 mg/l, 96 hours

**Persistence and degradability** Sulfentrazone (a.i.) is subject to photolysis (half-life < 12 hours).

**Bioaccumulative potential** Sulfentrazone has a low potential for bioaccumulation.

**Partition coefficient n-octanol / water (log Kow)**

N-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)phenyl)methanesulfonamide

**Mobility in soil** Not available.

**Other adverse effects** Not available.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site according to all applicable regulations.

**Waste from residues / unused products** Not available.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Check with Federal, State, and local authorities for the current regulations applicable to your area.

## 14. Transport information

**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

This product is currently registered under EPA/FIFRA Regulations. It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

This is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS.

CAUTION! Harmful if swallowed, absorbed through skin or inhaled. Causes moderate eye irritation. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing.

#### ENVIRONMENTAL HAZARDS

This product is toxic to marine/estuarine invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to terrestrial and aquatic plants adjacent to treated areas. Do not contaminate water when disposing of equipment washwater or rinseate.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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#### SARA 302 Extremely hazardous substance

Not listed.

<b>SARA 311/312 Hazardous chemical</b>	No
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#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

<b>Safe Drinking Water Act (SDWA)</b>	Not regulated.
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### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	Mar-09-2017
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**Revision date** Mar-09-2017  
**Version #** 1.0  
**Further information** Not available.  
**HMIS® ratings** Health: 2  
Flammability: 0  
Physical hazard: 0  
**NFPA ratings** Health: 2  
Flammability: 0  
Instability: 0

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