

1. Identification

Product identifier	Surepyc	
Other means of identification		
SDS number	550_v1.0	
Product registration number	74530-63-5481	
Recommended use	Herbicide.	
Recommended restrictions	No other uses are advised.	
EPA Registration number	EPA: 74530-63-5481	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	AMVAC Chemical Corporation	
Address	4695 MacArthur Court Suite 1200 Newport Beach, CA 92660	
Telephone	AMVAC Chemical Corp	949-260-1200
	AMVAC Chemical Corp	949-260-6270(FAX)
Website	www.amvac.com	
E-mail	CustServ@amvac.com	
Emergency phone number	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

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 4
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements



Signal word	Warning	
Hazard statement	Harmful if swallowed.	
Precautionary statement		
Prevention	Wash hands and face thoroughly after handling. Do not eat, drink or smoke when using this product.	
Response	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Get medical advice/attention if you feel unwell.	
Storage	Store in original container.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Hazard(s) not otherwise classified (HNOC)	May cause slight skin irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.	
Supplemental information	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		122836-35-5	39.6
Other ingredients			60.4

Values are not product specifications.

4. First-aid measures

Inhalation	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.
Skin contact	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.
Eye contact	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.
Ingestion	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.
Most important symptoms/effects, acute and delayed	Not available.
Indication of immediate medical attention and special treatment needed	Treatment is controlled removal of exposure. Provide general supportive measures and treat symptomatically.
General information	Have the product label with you when calling a poison control center or doctor or going for treatment.

5. Fire-fighting measures

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	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.
Methods and materials for containment and cleaning up	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.
Environmental precautions	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

Precautions for safe handling	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.
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Conditions for safe storage, including any incompatibilities

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**Biological limit values**

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Eye wash fountain and emergency showers are recommended. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Safety glasses with side shields. If there is a potential for splashing Goggles or a full face shield should be used.

Skin protection**Hand protection**

Wear appropriate chemical resistant gloves.

Other

Long-sleeved shirt and long pants or coveralls, socks and closed toe shoes are required. Wash work clothing before reuse.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Recommended is a dust/mist filtering respirator with organic cartridge(s) or pesticide rated filters.

Thermal hazards

Not available.

9. Physical and chemical properties**Appearance**

Opaque, off-white liquid

Physical state

Liquid.

Form

Not available.

Color

Off-white

Odor

Sulfur-like

Odor threshold

Not available.

pH

4.85 (1% w/v aqueous suspension)

Melting point/freezing point

Not applicable

Initial boiling point and boiling range

Not available.

Flash point

Not flammable

Evaporation rate

Not available.

Flammability (solid, gas)

Not available.

Upper/lower flammability or explosive limits**Flammability limit - lower (%)**

Not available.

Flammability limit - upper (%)

Not available.

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

Not applicable

Vapor density

Not available.

Relative density

1.18 g/ml @ 20°C

Solubility(ies)**Solubility (water)**

Miscible - dispersible

Auto-ignition temperature

Not available.

Decomposition temperature

Not available.

Viscosity

Not available.

10. Stability and reactivity**Reactivity**

Not available.

Chemical stability

Not available.

Possibility of hazardous reactions	Not available.
Conditions to avoid	Not available.
Incompatible materials	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		
Acute		
Inhalation		
LC50	Rat	> 5.05 mg/l
Oral		
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-triazol-1-yl)phenyl)methanesulfonamide (CAS 122836-35-5)		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg
Inhalation		
LC50	Rat	> 5.13 mg/l
Oral		
LD50	Rat	3129 mg/kg

Additional components	Species	Test Results
Propylene glycol (CAS 57-55-6)		
Acute		
Oral		
LD50	Rat	30 g/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 1910.1001-1053)

Not listed.

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)			
Aquatic			
<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)			
Aquatic			
<i>Acute</i>			
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.

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 rinsate.

Toxic Substances Control Act (TSCA)

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 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

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.

Safe Drinking Water Act (SDWA)

Not regulated.

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

Issue date	Jun-04-2021
Revision date	Jun-04-2021
Version #	1.0
HMIS® ratings	Health: 2 Flammability: 0 Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 0
Instability: 0

Disclaimer

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