

MSDS - Material Safety Data Sheet

Section 1.	Product and Company Identification	
Supplier	CovaChem, LLC. 6260 East Riverside Blvd, STE 119 Loves Park, IL 61111 Phone: +1.815.315.1271 Fax: +1.815.315.1272	
Emergency Phone #:	+1.815.714.8421	
Product Number	13301-100, 13301-1, 13301-custom	
Product Name	DTSSP	
Section 2.	Composition / Information on Ingredients	
OSHA Hazards	Irritant	
GHS Classification	Skin Irritant / Eye Irritant	
HMIS Classification	Health Hazard	2
	Flammability	0
	Physical Hazard	0
	Health Hazard	2
NFPA Rating	Flammability	0
	Physical Hazard	0
	Health Hazard	2
Potential Health Effects	Inhalation	May be harmful if inhaled. May cause respiratory irritation.
	Skin	Causes skin irritation
	Eyes	Causes eye irritation
	Ingestion	May be harmful if ingested.
Section 3.	Hazards Identification	
Synonyms	DTSSP; Sulfo-DSP; 3,3'-Dithiobis(sulfosuccinimidyl propionate); Dithiobis(sulfosuccinimidylpropionate)	
Molecular Weight	608.51	
Formula	C14H14O14S4Na2	
CAS #	81069-02-5	
Section 4.	First Aid Measures	
If Inhaled	Move to fresh air. Give artificial respiration if breathing has ceased.	
In case of Skin Contact	Wash with soap and water.	
In Case of Eye Contact	Flush with plenty of water. Seek medical attention.	
If Swallowed	Rinse mouth with water and seek medical attention.	
Section 5.	Fire-Fighting Measures	
Suitable Extinguishing Media	Water, dry chemical, alcohol resistant foam are all suitable.	
Protective Equipment	If needed, wear self contained breathing apparatus.	
Hazardous Combustion Products	Carbon oxides and Nitrogen oxides may form upon combustion	
Section 6.	Accidental Release Measures	
Personal Precautions	Avoid breathing dust or vapors.	
Environmental precautions	Prevent environmental release.	
Section 7.	Handling and Storage	
Conditions for Safe Storage	Store container in a well ventilated, dry location.	
Precautions regarding safe handling	Provide adequate ventilation and standard fire prevention measures.	
Section 8.	Exposure Controls / Personal Protection	
Does not contain any substance with occupational exposure limit values.		
Respiratory Protection	Use of a dust respirator is recommended (ie. type N95)	
Hand Protection	Handle with nitrile rubber gloves.	
Section 9.	Physical and Chemical Properties	
Form	white solid	
Melting Point	unavailable	
Boiling Point	unavailable	
Flash Point	unavailable	
Ignition Temperature	unavailable	
Autoignition Temperature	unavailable	
Density	unavailable	
Water Solubility	soluble	
Partition Coeff: n-octanol/water	unavailable	
Section 10.	Stability and Reactivity	
Chemical Stability	Stable under recommended storage conditions.	
Possibility of hazardous reactions	unavailable	
Conditions to Avoid	Do not expose to moisture	
Materials to Avoid	Strong Oxidizers, Acid anhydrides, Acid chlorides, Strong bases	
Hazardous decomposition products	Nitrous oxides and carbon oxides.	
Section 11.	Toxicology	
Oral LD50	data unavailable	

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Inhalation LC50	data unavailable
Dermal LD50	data unavailable
Skin corrosion / irritation	data unavailable
Eye Damage or Irritation	data unavailable
Skin and Respiratory Sensitization	data unavailable
Germ Cell Mutagenicity	data unavailable
Carcinogeneity	
IARC	No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by ACGIH.
NTP	No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by NTP.
OSHA	No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by OSHA.
Reproductive Toxicity	data unavailable
Teratogenicity	data unavailable
Aspiration Hazard	data unavailable
Potential Health Effects	
Inhalation	May be harmful if inhaled.
Ingestion	May cause harm if swallowed.
Skin	May cause harm if absorbed through skin.
Eyes	May cause eye irritation.
Section 12.	Ecological Information
Toxicology	data unavailable
Persistence and degradability	data unavailable
Bioaccumulative potential	data unavailable
Mobility in soil	data unavailable
PBT and vPvB assessment	data unavailable
Other Adverse effects	data unavailable
Section 13.	Disposal Consideration
Disposal Considerations	recycled when possible. Please dispose any unused or used materials in accordance with applicable national, regional and local laws and regulations.
Section 14.	Transportation Information
DOT (USA)	Not classified as dangerous goods
IMDG	Not classified as dangerous goods
IATA	Not classified as dangerous goods
Section 15.	Regulatory Information
OSHA Hazards	Irritant
SARA 302 Components	No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.
SARA 311/312	No SARA Hazards
Californial Prop. 65 Components	This material does not contain any chemicals known to the State of California to cause reproductive harm or birth defects.
Right to Know Components	3,3'-Dithiobis(sulfosuccinimidyl propionate) (CAS# 81069-02-5)
Section 16.	Other Information
Other Information	The information represented in this MSDS is believed to be correct and is based on the current state of our knowledge. This document or any other document does not represent or suggest any type of warantee or guarantee of the product properties or characteristics of this material. CovaChem, LLC and its affiliates shall not be held liable for any damages that result from contact