

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 x3 Fax: +1.815.315.1272	
Emergency Phone #:	+1.815.714.8421	
Product Number	13401-100, 13401-1, 13401-custom	
Product Name	BMPS Crosslinker	
Section 2.		Composition / Information on Ingredients
OSHA Hazards	Irritant	
GHS Classification	Eye Irritant (Category 2A) Skin Irritant (Category 2) Specific target organ toxicity - single exposure (category 3)	
HMIS Classification	Health Hazard	2
	Flammability	0
	Physical Hazard	0
NFPA Rating	Health Hazard	2
	Flammability	0
	Physical Hazard	0
Potential Health Effects	Inhalation	May be harmful if inhaled. May cause respiratory irritation.
	Skin	May be harmful if absorbed through the skin.
	Eyes	May cause irritation to the eyes.
	Ingestion	May be harmful if ingested.
Section 3.		Hazards Identification
Synonyms	BMPS; β-Maleimidopropionic acid-NHS; N-(3-Maleimidopropionyloxy)succinimide, N-Maleoyl-β-alanine N'-hydroxysuccinimide; N-Maleoyl-β-alanine N-hydroxysuccinimide ester, N-Succinimidyl 3-maleimidopropionate	
Molecular Weight	266.21	
Formula	C11H10N2O6	
CAS#	557-50-62-4	
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.	
Containment and Cleanup	Keep in closed container. Dispose of any spillage without creating dust.	
Section 7.		Handling and Storage
Conditions for Safe Storage	Store container (4 °C) 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.	
Eye Protection	Wear safety glasses, including side-shields.	
Skin Protection	Wear protective clothing that is impassable to spillage.	
Section 9.		Physical and Chemical Properties
Form	white solid	
Melting Point	166-172	
Boiling Point	unavailable	
Flash Point	unavailable	
Ignition Temperature	unavailable	
Autoignition Temperature	unavailable	
Density	unavailable	
Water Solubility	unavailable	
Partition Coeff: n-octanol/water	unavailable	

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Section 10.	
Chemical Stability	Stability and Reactivity
Possibility of hazardous reactions	Stable under recommended storage conditions.
Conditions to Avoid	unavailable
Materials to Avoid	Do not expose to moisture
Hazardous decomposition products	Strong Oxidizers
	Nitrous oxides and carbon oxides.
Section 11.	
Oral LD50	Toxicology
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
Carcinogenicity	
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.	
Toxicology	Ecological Information
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 Considerations	Disposal Consideration
	be recycled when possible. Please dispose any unused or used materials in accordance with applicable national, regional and local laws and regulations.
Section 14.	
DOT (USA)	Transportation Information
IMDG	Not classified as dangerous goods
IATA	Not classified as dangerous goods
Section 15.	
OSHA Hazards	Regulatory Information
SARA 302 Components	None known
SARA 311/312	No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.
	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	β-Maleimidopropionic acid-NHS
Section 16.	
Other Information	Other Information
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