

chemsearch - confirm same product  
 Multi-mist penetrating thread locker  
 Multi-mist

**Safety Data Sheet: PENETRATING THREADLOCKER, MM**

Supersedes Date 08/16/2013

Issuing Date 07/28/2015

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name PENETRATING THREADLOCKER, MM  
 Recommended use Adhesives and/or sealants  
 Information on Manufacturer  
 CHEMSEARCH DIV. OF NCH CORP.  
 BOX 152170  
 IRVING, TX 75015

Product Code 4964  
 Chemical nature Mixture  
 Emergency Telephone Number  
 Telephone inquiry  
 972-579-2477

**2. HAZARD IDENTIFICATION**

Color Grass green

Physical state liquid

Odor Mild

**GHS**

**Classification**

Physical Hazards  
 None

Health Hazard

Acute Inhalation Toxicity - Gas  
 Skin Corrosion/Irritation  
 Serious Eye Damage/Eye Irritation  
 Specific target organ systemic toxicity (single exposure)  
 Specific target organ toxicity (repeated exposure)

Category 4  
 Category 2  
 Category 2B  
 Category 3  
 Category 2

Other hazards

None

**Labeling**

Signal Word  
 WARNING



Hazard statements

H315 - Causes skin irritation  
 H320 - Causes eye irritation  
 H332 - Harmful if inhaled  
 H336 - May cause drowsiness or dizziness  
 H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

P280 - Wear protective gloves, protective clothing and eye protection.  
 P264 - Wash face, hands and any exposed skin thoroughly after handling  
 P260 - Do not breathe vapor or mist  
 P271 - Use in a well-ventilated area.  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
 P332 + P313 - If skin irritation occurs, get medical attention.  
 P362 - Take off contaminated clothing and wash before reuse  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P337 + P313 - If eye irritation persists, get medical attention.  
 P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
 P312 - Call a physician if unwell.  
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
 P501 - Dispose of contents and container in accordance with applicable local regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Component	CAS No.	Weight %
Polyglycol dimethacrylate	25852-47-5	60-100
Saccharin	81-07-2	1-5

Cumene hydroperoxide

80-15-9

1-5

**4. FIRST AID MEASURES**

<b>General advice</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth.
<b>Notes to physician</b>	Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

<b>Flash Point</b> > 200 °F / > 93 °C	<b>Method</b> Pensky Marten Closed Tester	
<b>Flammability Limits in Air %:</b> Mixture.	<b>Upper:</b> No data available	<b>Lower:</b> No data available
<b>Suitable Extinguishing Media</b> Carbon dioxide (CO2). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
<b>Specific hazards arising from the chemical</b> Material can create slippery conditions.		
<b>Protective Equipment and Precautions for Firefighters</b> As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.		
<b>NFPA</b>	<b>Health</b> 2	<b>Flammability</b> 1
<b>HMS</b>	<b>Health</b> 2	<b>Flammability</b> 1
		<b>Instability</b> 1
		<b>Instability</b> 1

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
<b>Neutralizing Agent</b>	Not applicable.

**7. HANDLING AND STORAGE**

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.			
<b>Storage</b>	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
<b>Storage Temperature</b>	<b>Minimum</b>	35 °F / 2 °C	<b>Maximum</b>	77 °F / 25 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	
			<b>Heated</b>	<b>Refrigerated</b>

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Exposure Guidelines</b>	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin Protection</b>	Wear suitable protective clothing, Impervious gloves.
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection.
<b>General Hygiene Considerations</b>	Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	liquid	<b>Viscosity</b>	Non viscous
<b>Color</b>	Grass green	<b>Odor</b>	Mild
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Opaque
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	1.07
<b>Evaporation Rate</b>	No information available	<b>Percent Volatile (Volume)</b>	0

VOC Content (%)	0	VOC Content (g/L)	13
Vapor Pressure	<5 mmHg @ 27 °C	Vapor Density	>1 (Air = 1.0)
Solubility	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	> 300 °F / 149 °C	Flammability (solid, gas)	No data available
Flash Point	> 200 °F / > 93 °C	Method	Pensky Marten Closed Tester
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Mixture	Upper: No data available	Lower: No data available

### 10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known.
Incompatible Products	Strong oxidizing agents, Metal oxides, Strong bases.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides.
Possibility of Hazardous Reactions	None under normal processing.

### 11. TOXICOLOGICAL INFORMATION

**Product Information** No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Dermal LD50 No information available

Inhalation LC50

Gas No information available

Mist No information available

Vapor No information available

Principle Route of Exposure Skin contact, Eye contact, Inhalation.

Primary Routes of Entry Inhalation, Skin Absorption.

Acute Effects:

Eyes Causes eye irritation.

Skin Causes skin irritation.

Inhalation May cause irritation of respiratory tract. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

Chronic Toxicity Prolonged or repeated inhalation may cause damage to the lungs.

Target Organ Effects Central nervous system, Lungs.

Aggravated Medical Conditions Skin disorders, Neurological disorders, Respiratory disorders.

**Component Information**

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draze Test	Other
Cumene hydroperoxide	= 382 mg/kg ( Rat )	= 500 mg/kg ( Rat )	= 220 ppm ( Rat ) 4 h	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Saccharin	no data available	no data available	no data available	no data available	no data available
Cumene hydroperoxide	no data available	no data available	no data available	no data available	Central nervous system, Lungs

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Saccharin	not applicable	Group 3	not applicable	not applicable	not applicable

### 12. ECOLOGICAL INFORMATION

**Product Information** No information available.

**Component Information**

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Saccharin	No information available.	LC50 = 18300 mg/L Pimephales promelas 96 h	No information available	No information available.	N/A
Cumene hydroperoxide	No information available.	LC50 = 3.9 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	N/A

**Persistence and Degradability** No information available.

Bioaccumulation No information available.  
 Mobility No information available.

**13. DISPOSAL CONSIDERATIONS**

Product Disposal Dispose of in accordance with local regulations.  
 Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

**14. TRANSPORT INFORMATION**

DOT Not regulated  
 TDG Not regulated  
 ICAO Not regulated  
 IATA Not regulated  
 IMDG/IMO Not regulated

**15. REGULATORY INFORMATION**

Inventories  
 TSCA Complies  
 DSL Complies

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Component	CAS No.	Weight %	SARA 313 - Threshold Values
Saccharin	81-07-2	1-5	1.0
Cumene hydroperoxide	80-15-9	1-5	1.0

**SARA 311/312 Hazardous Categorization**

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

**CERCLA**

Component	Hazardous Substances RQs	CERCLA EHS RQs
Cumene hydroperoxide	10 lb	Not applicable

**16. OTHER INFORMATION**

Prepared By Kim Franklin  
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 Reason for Revision No information available.  
 Glossary No information available.  
 List of References. No information available.

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