

### **MATERIAL SAFETY DATA SHEET**

### 1. Product and Company Identification

Product Name Seal-Loc (4350)

CAS # Mixture

Product use Thread Sealing Compound

Manufacturer Nu-Calgon

2008 Altom Court St. Louis, MO 63146 US

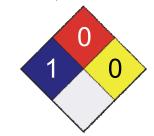
Phone: 314-469-7000 / 800-554-5499

Emergency Phone: 1-800-424-9300 (CHEMTREC)

LEGEND
HMIS/NFPA

Severe 4
Serious 3
Moderate 2
Slight 1
Minimal 0





### 2. Hazards Identification

Emergency overview WARNING

EYE AND SKIN IRRITANT.

CONTAINS MATERIAL WHICH MAY CAUSE CANCER. May cause chronic toxic

effects.

Potential short term health effects

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

Eyes May cause irritation.
Skin May cause irritation.

**Inhalation** Excessive intentional inhalation may cause respiratory tract irritation and central

nervous system effects (headache, dizziness).

IngestionMay cause stomach distress, nausea or vomiting.Target organsEyes. Lungs. Respiratory system. Stomach.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Fibrosis was observed in rats exposed to 6 mg/m3 of hydrous magnesium silicate (talc)

for 113 or 122 weeks. Chronic respiratory disease has been observed in workers exposed to up to 3.0 mg/m3 of airborne talc ore free of asbestos and silica.

Signs and symptoms Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and

vomiting.

## 3. Composition / Information on Ingredients

Ingredient(s)	CAS#	Percent
Foots oil (petroleum)	64742-67-2	30 - 60
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	30 - 60
Residual oils (petroleum), hydrotreated	64742-57-0	30 - 60
Residual oils (Petroleum), solvent-dewaxed	64742-62-7	30 - 60
Hydrous magnesium silicate	14807-96-6	10 - 30
Kaolin	1332-58-7	10 - 30
P-Aramide	26125-61-1	1 - 5
Titanium oxide	13463-67-7	1 - 5
Silica, amorphous, fumed, crystalline free	112945-52-5	0.5 - 1.5

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### 4. First Aid Measures

First aid procedures

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing.

Obtain medical attention if irritation persists.

**Skin contact** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation

persists.

**Inhalation** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical

attention.

**Ingestion** Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water.

Obtain medical attention. Never give anything by mouth if victim is unconscious, or is

convulsing.

Notes to physician Symptoms may be delayed.

General advice If you feel unwell, seek medical advice (show the label where possible). Ensure that

medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with

eyes and skin. Keep out of reach of children.

### 5. Fire Fighting Measures

Flammable properties

Not flammable by WHMIS/OSHA criteria.

**Extinguishing media** 

Suitable extinguishing media

Fog. Water spray. Carbon dioxide. Dry chemical. Foam.

Unsuitable extinguishing media Not available

Protection of firefighters

Specific hazards arising from

Sensitivity to static discharge

the chemical

Not available

Protective equipment for

firefighters

Firefighters should wear full protective clothing including self contained breathing

apparatus.

**Hazardous combustion products** 

**Explosion data** 

Sensitivity to mechanical

impact

Not available

Not available

### 6. Accidental Release Measures

May include and are not limited to: Oxides of carbon.

Personal precautions

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective

clothing. Keep people away from and upwind of spill/leak.

Methods for containment

Stop leak if you can do so without risk. Prevent entry into waterways, sewers,

basements or confined areas.

Methods for cleaning up

Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled

containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

### 7. Handling and Storage

Handling

Use good industrial hygiene practices in handling this material.

Storage

Keep out of reach of children. Store in a closed container away from incompatible

materials.

8. Exposure Controls / Personal Protection			
Exposure limits			
Ingredient(s)		Exposure Limits	
Foots oil (petroleum)		ACGIH-TLV	
		Not established	
		OSHA-PEL	
		Not established	
Hydrous magnesium silicate		ACGIH-TLV	
		TWA: 2 mg/m3	
		OSHA-PEL	
		Not established	
Kaolin		ACGIH-TLV	
		TWA: 2 mg/m3	
		OSHA-PEL	
		TWA: 15 mg/m3	
Lubricating oils, petroleum, hydrotrea	ted spent	ACGIH-TLV	
		Not established	
		OSHA-PEL	
		Not established	
P-Aramide		ACGIH-TLV	
		Not established	
		OSHA-PEL	
		Not established	
Residual oils (petroleum), hydrotreated		ACGIH-TLV	
		Mist: 5 mg/m3	
		OSHA-PEL	
		Not established	
Residual oils (Petroleum), solvent-dewaxed		ACGIH-TLV	
		Not established	
		OSHA-PEL	
		Not established	
Silica, amorphous, fumed, crystalline free	free	ACGIH-TLV	
		Not established	
		OSHA-PEL	
		TWA: 6 mg/m3	
Titanium oxide		ACGIH-TLV	
		TWA: 10 mg/m3	
		OSHA-PEL	
		TWA: 15 mg/m3	
Engineering controls	General ventilation	on normally adequate.	
Personal protective equipment	\\/ac===f:()	مامان مامان مامان معرف	
Eye / face protection	Wear safety glasses with side shields.		
Hand protection	Rubber gloves. Confirm with a reputable supplier first.		
Skin and body protection	•	As required by employer code.  Where expected the expecte	
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.		
General hygiene considerations	eat or drink.	ince with good industrial hygiene and safety practice. When using do not . Wash hands before breaks and immediately after handling the product.	

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## 9. Physical & Chemical Properties

**Appearance** paste Blue Color **Form** paste Odor Odorless Not available **Odor threshold** Physical state Liquid

Not available рH **Melting point** Not available Not available Freezing point Not available **Boiling point** Flash point Not available Not available **Evaporation rate** Flammability limits in air, lower, % Not available

by volume

Not available Flammability limits in air, upper, %

by volume

Not available Vapor pressure Not available Vapor density

Specific gravity 1.2

Not available Octanol/water coefficient Insoluble Solubility (H2O) **Auto-ignition temperature** Not available Not available VOC (Weight %) Viscous **Viscosity** Percent volatile Not available

### 10. Chemical Stability & Reactivity Information

**Chemical stability** Stable under recommended storage conditions.

Conditions to avoid Do not mix with other chemicals.

Oxidizers. Incompatible materials

May include and are not limited to: Oxides of carbon. Hazardous decomposition products

Possibility of hazardous reactions Hazardous polymerization does not occur.

# 11. Toxicological Information

Component analysis - LC50	
Ingredient(s)	LC50
Foots oil (petroleum)	Not available
Hydrous magnesium silicate	Not available
Kaolin	Not available
Lubricating oils, petroleum, hydrotreated spent	Not available
P-Aramide	Not available
Residual oils (petroleum), hydrotreated	Not available
Residual oils (Petroleum), solvent-dewaxed	2 mg/l/4h rat
Silica, amorphous, fumed, crystalline free	Not available
Titanium oxide	Not available

#### Component analysis - Oral LD50

Ingredient(s)	LD50
Foots oil (petroleum)	15000 mg/kg rat
Hydrous magnesium silicate	Not available
Kaolin	Not available
Lubricating oils, petroleum, hydrotreated spent	2000.0001 mg/kg rat
P-Aramide	Not available
Residual oils (petroleum), hydrotreated	> 5000 mg/kg rat
Residual oils (Petroleum), solvent-dewaxed	5000 mg/kg rat
Silica, amorphous, fumed, crystalline free	3160 mg/kg rat
Titanium oxide	24000 mg/kg rat

Effects of acute exposure

EyeMay cause irritation.SkinMay cause irritation.

**Inhalation** Excessive intentional inhalation may cause respiratory tract irritation and central

nervous system effects (headache, dizziness).

**Ingestion** May cause stomach distress, nausea or vomiting.

**Sensitization** Non-hazardous by WHMIS/OSHA criteria.

Chronic effects Fibrosis was observed in rats exposed to 6 mg/m3 of hydrous magnesium silicate (talc)

for 113 or 122 weeks. Chronic respiratory disease has been observed in workers exposed to up to 3.0 mg/m3 of airborne talc ore free of asbestos and silica.

**Carcinogenicity** Contains a potential carcinogen.

High concentrations of pigment-grade (powdered) and ultrafine titanium dioxide

(titanium oxide) dust have caused respiratory tract cancer in rats exposed by inhalation

and intratracheal instillation.

**ACGIH - Threshold Limit Values - Carcinogens** 

Hydrous magnesium silicate 14807-96-6 A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers); A1 -

Confirmed Human Carcinogen (containing asbestos fibers)

Kaolin 1332-58-7 A4 - Not Classifiable as a Human Carcinogen Titanium oxide 13463-67-7 A4 - Not Classifiable as a Human Carcinogen

IARC - Group 2B (Possibly Carcinogenic to Humans)

Titanium oxide 13463-67-7 Monograph 93 posted, Monograph 47 [1989]

IARC - Group 3 (Not Classifiable)

Hydrous magnesium silicate 14807-96-6 Monograph 93 [in preparation] (inhaled), Supplement 7 [1987], Monograph 42 [1987]

P-Aramide 26125-61-1 Monograph 68 [1997] (listed under para-Aramid fibrils)
Silica, amorphous, fumed, 112945-52-5 Monograph 68 [1997] (listed under Amorphous silica)

crystalline free

MutagenicityNon-hazardous by WHMIS/OSHA criteria.Reproductive effectsNon-hazardous by WHMIS/OSHA criteria.TeratogenicityNon-hazardous by WHMIS/OSHA criteria.

# 12. Ecological Information

**Ecotoxicity** Components of this product have been identified as having potential environmental

concerns.

**Ecotoxicity - Freshwater Fish Species Data** 

Hydrous magnesium silicate 14807-96-6 96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]

Lubricating oils, petroleum, 64742-58-1 96 Hr LC50 Brachydanio rerio: 79.6 mg/L [semi-static]; 96 Hr LC50 Pimephales

hydrotreated spent promelas: 3.2 mg/L [semi-static]

Residual oils (Petroleum), 64742-62-7 96 Hr LC50 Pimephales promelas: >5000 mg/L

solvent-dewaxed

Ecotoxicity - Water Flea Data

Residual oils (Petroleum), 64742-62-7 48 Hr EC50 Daphnia magna: >1000 mg/L

solvent-dewaxed

Environmental effectsNot availableAquatic toxicityNot availablePersistence / degradabilityNot availableBioaccumulation / accumulationNot available

Partition coefficientNot availableMobility in environmental mediaNot availableChemical fate informationNot available

## 13. Disposal Considerations

Waste codes Not available

**Disposal instructions** Dispose in accordance with all applicable regulations.

Waste from residues / unused

products

Not available

Contaminated packaging Not available

### 14. Transport Information

#### **U.S. Department of Transportation (DOT)**

Not regulated as dangerous goods.

#### Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

# 15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled

Products Regulations and the MSDS contains all the information required by the

Controlled Products Regulations.

**US Federal regulations**This product is a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200.

CERCLA/SARA Hazardous Substances - Not applicable.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous

chemical

Yes

**CERCLA (Superfund) reportable quantity** 

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical Yes

Clean Air Act (CAA)

Clean Water Act (CWA)

Safe Drinking Water Act (SDWA)

Drug Enforcement Agency (DEA)

Not available

Not available

Not available

Not available

(FDA)

WHMIS status Controlled

WHMIS classification Class D - Division 2A, 2B

WHMIS labeling



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This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

#### U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Hydrous magnesium silicate 14807-96-6 Present (exempt except when inhalable dust is present or can be generated) U.S. - Massachusetts - Right To Know List Present (exempt when encapsulated or if particulates are not present and cannot be Hydrous magnesium silicate 14807-96-6 substantially generated through use of the product) Kaolin 1332-58-7 Present (dust, exempt when encapsulated or if particulates are not present and cannot be substantially generated through use of the product) Titanium oxide 13463-67-7 Present U.S. - Minnesota - Hazardous Substance List

Hydrous magnesium silicate 14807-96-6 Present (fibrous, nonasbestiform, and respirable)

Kaolin 1332-58-7 Present (dust) Titanium oxide 13463-67-7 Present (dust)

U.S. - New Jersey - Right to Know Hazardous Substance List

Hydrous magnesium silicate 14807-96-6 sn 1773

Silica, amorphous, fumed, 112945-52-5 Sn 2643 (flammable, liquid, toxic, flash point less than 23°C); sn 2642 (flammable, liquid, crystalline free toxic, flash point between 23°C and 61°C); sn 2644 (liquid, toxic); sn 2645 (solid, toxic)

Titanium oxide 13463-67-7 sn 1861

U.S. - Pennsylvania - RTK (Right to Know) List

Hydrous magnesium silicate 14807-96-6 Present Kaolin 1332-58-7 Present Titanium oxide 13463-67-7 Present

U.S. - Rhode Island - Hazardous Substance List

Hydrous magnesium silicate 14807-96-6 Toxic Kaolin 1332-58-7 Toxic Titanium oxide 13463-67-7 Toxic

#### Inventory name

Country(s) or region Inventory name On inventory (yes/no)\* Canada Domestic Substances List (DSL) Yes Canada Non-Domestic Substances List (NDSL) No United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

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

### 16. Other Information

Information contained herein was obtained from sources considered technically accurate Disclaimer

> and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the

use of or reliance on any information contained in this document.

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