

# Safety Data Sheet

Material Name: Nepseal 30

SDS ID: NEPI-002

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**Material Name**

Nepseal 30

**Synonyms**

MIL-I-3064B

**Product Use**

Fire retardant sealant, Insulating compound

**Restrictions on Use**

None known.

**Details of the Supplier of the Safety Data Sheet**

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## Section 2 - HAZARDS IDENTIFICATION

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

None needed according to classification criteria

**GHS Label Elements**

**Symbol(s)**

None needed according to classification criteria

**Signal Word**

None needed according to classification criteria

**Hazard Statement(s)**

None needed according to classification criteria

**Precautionary Statement(s)**

**Prevention**

None needed according to classification criteria

**Response**

None needed according to classification criteria

**Storage**

None needed according to classification criteria

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations

**Other Hazards**

No additional information available.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
21645-51-2	Aluminum hydroxide	40-50

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68937-90-6	Fatty acids, C18-unsaturated, trimers	30-40
65997-17-3	Fiberglass	5-10

The chemical identity and/or percentage of composition is being withheld as a trade secret.

## Section 4 - FIRST AID MEASURES

### Description of Necessary Measures

Call a POISON CENTER or doctor if you feel unwell.

### Inhalation

If adverse effects occur, remove to uncontaminated area. Get medical advice/attention if you feel unwell.

### Skin

Wash with plenty of soap and water.

### Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

### Ingestion

If swallowed, drink plenty of water, do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsive person. Get medical attention immediately.

### Most Important Symptoms/Effects

#### Acute

May cause mild eye irritation. May cause mild skin irritation.

#### Delayed

May be irritating to the upper respiratory tract.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

## Section 5 - FIRE FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Use carbon dioxide, regular dry chemical, regular foam or water.

#### Unsuitable Extinguishing Media

None known.

### Special Hazards Arising from the Chemical

Negligible fire hazard. The product is heat-resistant.

### Hazardous Combustion Products

None known.

### Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment. See Section 8 for Personal Protective Equipment recommendations.

### Methods and Materials for Containment and Cleaning Up

Stop leak if possible without personal risk. Absorb with earth, sand or other non-combustible material and transfer to container. Collect spilled material in appropriate container for disposal.

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## Environmental Precautions

Avoid release to the environment. Dispose in accordance with all applicable regulations.

## Section 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

Observe good hygiene and safety practices when handling this product. Do not eat, drink or smoke when using this product. Wear protective gloves.

### Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria

Store in a well-ventilated place.

### Incompatible Materials

None known.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

<b>Aluminum hydroxide</b>	<b>21645-51-2</b>
ACGIH:	10 mg/m3 total
OSHA (US):	15 mg/m3 total; 5 mg/m3 respirable
<b>Cellulose pulp</b>	<b>65996-61-4</b>
ACGIH:	10 mg/m3
OSHA (US):	15 mg/m3 total; 5 mg/m3 respirable
<b>Fatty acids, C18-unsaturated, trimers</b>	<b>68937-90-6</b>
ACGIH:	5 mg/m3 respirable
OSHA (US):	5 mg/m3 respirable
<b>Bentone 38</b>	<b>Not applicable</b>
ACGIH:	10 mg/m3 total dust; 3 mg/m3 respirable
OSHA (US):	10 mg/m3 total dust; 5 mg/m3 respirable
<b>Fiberglass</b>	<b>65997-17-3</b>
ACGIH:	5 mg/m3 inhalable
OSHA (US):	15 mg/m3 total dust; 5 mg/m3 respirable

### Biological Limit Value

There are no biological limit values for any of this product's components.

### Engineering Controls

If necessary, use appropriate local exhaust ventilation to keep exposures below the regulated limits.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/Face Protection

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Safety glasses or goggles are recommended when there is a potential for eye contact.

### Skin Protection

Wear appropriate work clothing.

### Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

### Glove Recommendations

Wear protective gloves.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	gray sealant	<b>Physical State</b>	solid
<b>Odor</b>	odorless to faint odor	<b>Color</b>	gray
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Freezing point</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition Temperature</b>	Not available	<b>Flash Point</b>	>650 °C [Open cup ]
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	<1 mmHg (20°C )
<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	1.2
<b>Water Solubility</b>	Insoluble	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	Not available	<b>Molecular Weight</b>	Not available

### Other Information

No additional information is available.

## Section 10 - STABILITY AND REACTIVITY

### Reactivity

Not known to occur.

### Chemical Stability

Stable under normal conditions of use.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

None known.

### Incompatible Materials

None known.

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## Hazardous Decomposition Products

None known.

## Section 11 - TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Inhalation

May be irritating to the upper respiratory tract.

#### Skin Contact

May cause mild skin irritation.

#### Eye Contact

May cause mild eye irritation.

#### Ingestion

No information on significant adverse effects.

#### Acute and Chronic Toxicity

##### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Aluminum hydroxide (21645-51-2)

Oral LD50 Rat >5000 mg/kg

Fatty acids, C18-unsaturated, trimers (68937-90-6)

Oral LD50 Rat >2000 mg/kg

Bentone 38 (Not applicable)

Oral LD50 Rat 20000 mg/kg

#### Immediate Effects

May cause mild skin irritation. May cause mild eye irritation.

#### Delayed Effects

May be irritating to the upper respiratory tract.

#### Irritation/Corrosivity Data

May cause mild skin irritation. May cause mild eye irritation. May be irritating to the upper respiratory tract.

#### Respiratory Sensitization

No data available.

#### Dermal Sensitization

No data available.

#### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA

#### Germ Cell Mutagenicity

No data available.

#### Tumorigenic Data

No data available

#### Reproductive Toxicity

No data available.

#### Specific Target Organ Toxicity - Single Exposure

No data available.

#### Specific Target Organ Toxicity - Repeated Exposure

No data available.

#### Aspiration hazard

No data available.

#### Medical Conditions Aggravated by Exposure

No data available.

#### Additional Data

No additional information available.

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## Section 12 - ECOLOGICAL INFORMATION

### Ecotoxicity

Avoid release to the environment.

### Component Analysis - Aquatic Toxicity

<b>Aluminum hydroxide</b>	<b>21645-51-2</b>
Fish:	LC50 96 hr fish >10000 mg/L
Invertebrate:	EC50 48 hr Daphnia >10000 mg/L
<b>Fatty acids, C18-unsaturated, trimers</b>	<b>68937-90-6</b>
Fish:	LC50 96 hr fish >1000 mg/L
Algae:	EC50 72 hr algae >1000 mg/L
Invertebrate:	EC50 48 hr Daphnia >1000 mg/L
<b>Bentone 38</b>	<b>Not applicable</b>
Fish:	LC50 96 hr Acartia tonsa >30000 mg/L
Invertebrate:	EC50 48 hr Skeletonema costatum >10000 mg/L

### Persistence and Degradability

No information available for the product.

### Bioaccumulative Potential

No information available for the product.

### Mobility

No information available for the product.

### Other Toxicity

No additional information available.

## Section 13 - DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 14 - TRANSPORT INFORMATION

### US DOT Information:

No Classification assigned.

### IATA Information:

UN#: No Classification assigned.

### TDG Information:

UN#: No Classification assigned.

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**Section 15 - REGULATORY INFORMATION**

**U.S. Federal Regulations**

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**U.S. State Regulations**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Fiberglass	65997-17-3	No	No	Yes	No	No

**Not listed under California Proposition 65**

**Canada Regulations**

**Canadian WHMIS Ingredient Disclosure List (IDL)**

The components of this product are either not listed on the IDL or are present below the threshold limit listed on the IDL.

**Component Analysis - Inventory**

Aluminum hydroxide (21645-51-2)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Cellulose pulp (65996-61-4)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	No

Fatty acids, C18-unsaturated, trimers (68937-90-6)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No

Fiberglass (65997-17-3)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

**Section 16 - OTHER INFORMATION**

**Summary of Changes**

Updated SDS: 10/13/2016 Changes made to Section 9.

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CFR - Code of Federal Regulations (US); CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG -

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Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC – European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KECI - Korea Existing Chemicals Inventory; KECL – Korea Existing Chemicals List; KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX – Mexico; NDSL – Non-Domestic Substance List (Canada); NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); WHMIS - Workplace Hazardous Materials Information System (Canada).

## **Other Information**

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