


NAD 11 / NAD 500

Safety Data Sheet

Revision Date: 2017-02-13

Revision Number: 4

Classification	PPE	Transport Symbols
		

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product Name **NAD 11 / NAD 500**

Other means of identification

Commodity code 09002 - 11500
Synonym No Synonym
Product description High density, asbestos free cement board reinforced with inorganic fibers.

Recommended use of the chemical and restrictions on use

Product use Heat resisting asbestos free cement board with excellent electrical properties; suitable for applications requiring continuous operation in temperatures up to 500°C (932°F).
Uses advised against Not fit for use in anything related to human consumption.

Details of the supplier

Corporate office:
Pyrotek Inc.
705 West 1st Ave
Spokane, WA 99201-3909
United States

Phone 1: (509) 926-6212
Phone 2: 1-800-PYROTEK
Fax: (509) 927-2408
Email: SDS@pyrotek-inc.com

Emergency Telephone Number

Chemtrec North America (800) 424-9300,
Chemtrec Outside North America +1 703 527 3887

2. Hazards Identification

Classification

This product is a manufactured article, not a substance nor a preparation. This article is classified as not hazardous.

Label Elements

Hazards not otherwise classified (HNOC)

None known

Other information

3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%	GHS Classification
Calcium Silicate	13983-17-0	25 - 55 %	-
Fibrous Glass	65997-17-3	1 - 10 %	Article - Not Classified

Further information

Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust or vapors).

The exact percentage (concentration) of composition is not shown due to component range variations, withheld or trade secret ingredients.

4. First Aid Measures

General advice	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Skin Contact	Wash off with soap and water. If skin irritation persists, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub. If symptoms persist, call a physician.
Inhalation	Remove to fresh air. Get person to drink water to clear throat and blow nose to evacuate dust and fibers. If symptoms persist, call a physician.
Ingestion	Not a normal route of exposure. Drink plenty of water. Induce vomiting, but only if victim is fully conscious. Consult a physician.
Notes to Physician	Treat symptomatically.
Protection of first-aiders	Use personal protective equipment.

5. Fire-Fighting Measures

Flammable properties

The product is not flammable.

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific hazards arising from the chemical

No information available.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation.

Environmental Precautions

None known.

Methods and material for containment and cleaning up

Pick up and arrange disposal without creating airborne dust. Vacuum or wet sweep.

7. Handling and Storage

Precautions for safe handling

Ensure adequate ventilation. Wear personal protective equipment. Avoid dust formation.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers.

Materials to avoid

Strong acids.

8. Exposure controls/Personal Protection

Control parameters

Chemical name	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Calcium Silicate	Not Listed	Not Listed	Not Listed	TWA: 10 mg/m ³ TWA: 5 mg/m ³
Fibrous Glass	Not Listed	Not Listed	Not Listed	Not Listed

Chemical name	Argentina	Brazil	Chile	Venezuela
Calcium Silicate 13983-17-0	Not Listed	Not Listed	Not Listed	Not Listed

Fibrous Glass 65997-17-3	TWA: 0.05 mg/m ³ TWA: 1 fiber/cm ³ TWA: 5 mg/m ³	Not Listed	Not Listed	Not Listed
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Appropriate engineering controls

Engineering Controls Provide appropriate exhaust ventilation at places where dust is formed.

Individual protection measures, such as personal protective equipment

Eye Protection	Safety glasses with side-shields.
Hand Protection	Protective gloves.
Skin Protection	Long sleeved clothing.
Respiratory protection	Respiratory protection is not necessary for normal handling of material which does not release dust, Dust mask EN149 - P3/FFP3 or (P2/FFP2) under dusty conditions.

General industrial hygiene practice

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Eyewash station recommended. Regular cleaning of equipment, work area and clothing. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Solid	Odor	Odorless
Appearance	Board, Shapes	Odor threshold	Not applicable
Color	Grey		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	Not applicable	
Melting / freezing point	Not determined	
Boiling point / boiling range	Not determined	
Flash Point	Nonflammable	
Evaporation rate		
Flammability Limit in Air		
Upper Flammability Limit	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor pressure	Not determined	
Vapor density		
Specific gravity	No data available	
Water solubility	Insoluble in water	
Solubility in other solvents	Not determined	
Partition coefficient: n-octanol/water	Not available	
Autoignition Temperature	Not determined	
Decomposition temperature	No data available	
Viscosity, kinematic		

Explosive properties Non explosive

Other information

VOC content	Not determined
Density	10mm >: Min. 1550, 10 mm <: Min. 1650

10. Stability and Reactivity

Reactivity

Chemical stability

Stable.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Strong acids.

Hazardous Decomposition Products

None known.

11. Toxicological Information

Information on likely routes of exposure

Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Product dust may be irritating to eyes, skin and respiratory system.
Ingestion	Not a normal route of exposure. May cause discomfort if swallowed.
Inhalation	Dust is irritating to respiratory tract.

Information on toxicological effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Mutagenic effects	None known.
Specific target organ systemic toxicity (single exposure)	None known.
Specific target organ systemic toxicity (repeated exposure)	None known.
Chronic Toxicity	Avoid repeated exposure

Numerical measures of toxicity

Product Information

mg/kg

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Calcium Silicate	= 3400 mg/kg (Rat)	-	-
Fibrous Glass	-	-	-

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen:

Chemical name	IARC	NTP	OSHA	Mexico
Calcium Silicate	Group 3	Not Listed	Not Listed	Not Listed
Fibrous Glass	Group 3	Known Carcinogen Reasonably Anticipated	Not Listed	Not Listed

Chemical name	Argentina	Chile	Venezuela
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Calcium Silicate	Not Listed	Not Listed	Not Listed
Fibrous Glass	Not Listed	Not Listed	A3 A4 - Not Classified as a Carcinogen in Humans

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

12. Ecological Information

Ecotoxicity

Component	Freshwater Algae Data	Freshwater Fish Species Data	Microtox Data	Water Flea Data
Calcium Silicate 13983-17-0 (25 - 55 %)	No data available			No data available
Fibrous Glass 65997-17-3 (1 - 10 %)	No data available			No data available

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in Environmental Media

No information available.

Ozone depletion potential (ODP)

Not applicable.

13. Disposal Considerations

Waste disposal methods

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Other information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used. Dispose of packings and packing waste in accordance with guideline 94/62/EC of the council and the European Parliament of December 20, 1994 as well as the packaging regulation 2004/12/EG of February 11, 2004 and Directive 2005/20/EC from March 9, 2005.

14. Transport Information

DOT

Not regulated

15. Regulatory Information

International Inventories

Chemical name	TSCA	EINECS	ELINCS	DSL	NDSL	PICCS	ENCS	China	AICS	KECL
Calcium Silicate	-	X	-	-	-	X	X	X	X	X
Fibrous Glass	X	X	-	X	-	X	X	X	X	X

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

16. Other Information

After Service Removal

Precautionary measures to be taken after service and upon removal: As produced, synthetic vitreous fibers (SVF) and crystalline silica (SiO₂) are typically vitreous (glassy) materials which, upon continued exposure to elevated temperatures (above 900°C) might devitrify as described in Section 3. High concentrations of fibers and other dusts may be generated when after-service products are mechanically disturbed during operations such as wrecking and removal. These dusts may contain crystalline silica, which some authorities have classified as a carcinogen. Therefore, take measures to reduce dust emissions, and wear appropriate respirator to minimize exposure and comply with local regulatory limits.

Revision Date:

2017-02-13

Reason for Revision:

Converted from another language. Converted to GHS format.

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End of SDS