rhino™

ROCK SOLID INSULATION

A SARDA Venture

MATERIAL SAFETY DATA SHEET

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PRODUCT AND COMPANY INFORMATION

GHS product identifier / Name
- Generic name: Stone wool/Mineral Wool
- Trade name: "RHINO" Rock Mineral Wool

Other means of identification:

- Rhino RockArmor Boards (RRA-B)
- Rhino RockArmor Lamella (RRA-L)
- Rhino Slab (RSL)
- Rhino Wired Matts (RWM)
- Rhino Building Rolls (RBR) (with one side Aluminium Foil)
- Rhino Loose Wool

Manufacturer details:
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Recommended use of the chemical and restrictions on use: N.A.

HSN Code - 68061000

HAZARD IDENTIFICATION

GHS Classification:

Physical Hazards:

PARAMETERS	CLASSIFICATION
Explosives	Not Applicable
Flammable gases	Not Applicable
Oxidizing gases	Not Applicable
Gases under pressure	Not Applicable
Flammable liquids	Not Applicable
Flammable solids	Not Applicable
Self-reactive substances and mixtures	Not Applicable
Substances and mixtures which, in contact with water, emit Flammable gases	Not Classified
Oxidizing liquids	Not Applicable
Oxidizing solids	Not Applicable
Organic peroxides	Not Applicable
Corrosive to Metals	Not Applicable

Human health hazards:

PARAMETERS	CLASSIFICATION
Acute Toxicity (Oral)	Classification not possible
Acute Toxicity (Dermal)	Classification not possible
Acute Toxicity (Inhalation: Gases)	Not Applicable
Acute Toxicity (Inhalation: Vapours)	Classification not possible
Acute Toxicity (Inhalation: Dusts)	Classification not possible
Acute Toxicity (Inhalation: Mists)	Classification not possible
Skin corrosion/irritation	Category 3
Serious eye damage /eye irritation	Category 2A
Specific target organ-general toxicity	Category 1
Respiratory sensitization	Classification not possible
Skin sensitization	Classification not possible
Germ Cell mutagen city	Classification not possible
Carcinogenicity	Not classified
Reproductive toxicity	Classification not possible
Aspiration hazard	Classification not possible

Environmental hazards:

PARAMETERS	CRITERIA
Acute toxicity to the aquatic environment	Classification not possible
Chronic toxicity to the aquatic environment	Classification not possible

GHS label element: licensee

Hazard statement:
- Causes mild skin irritation
- Causes serious eye irritation

Precaution:
- Do not breathe dust/fume
- Wash hands thoroughly after handling
- Do not eat, drink, or smoke when using this product
- Wear protective gloves/protective clothing/eye protection/ face protection

Primary routes of entry: Inhalation, skin, and eye contact

Inhalation:

Acute: The release of mineral fibers may cause short-term irritation to the nose and/or throat through normal handling.
Chronic: The internal Agency for Research on Cancer (IARC) has classified mineral wool as a group 3 "not classifiable as to carcinogenicity to humans".

Skin contact:

Acute: May cause transitory mechanical dermatitis. Skin absorption does not occur.
Chronic: None known.

Eye Contact:

Acute: Direct contact will cause mechanical irritation.
Chronic: None known.

Ingestion:

Acute: Unlikely to occur under normal conditions of use. If ingested, it may cause temporary irritation to the stomach. Observe the individual; if symptom develops, consult a physician.
Chronic: None known.

COMPOSITION/INFORMATION ON INGREDIENTS:

Mineral wool fibers to which a binder has been added, which will in the hardening process turn into a thermally stable man-made material (Bakelite). Oil is added to make the products water repellent and to reduce the dust release.

Possible decomposition products: None under normal use.

	CAS No.	Contents	Classification	R-phrases
Mineral wool : **Man made vitreous silicate fibers (Mno + SIO2 + Fe2O3 + Al2O3 + CaO + MgO)**	None	90-99%	Xi	Irritating to skin R-38

FIRST AID MEASURE:

Eye Contact: Rinse with water for 15 minutes. Do not rub. Seek medical advice if irritation persists.
Skin Contact: Wash with cold water and soap. Remove fibers with adhesive tape if needed.
Inhalation: Move to fresh air. Seek medical help if symptoms persist.
Ingestion: Rinse mouth, drink water, seek medical advice if discomfort occurs.

FIRE FIGHTING MEASURE:

Flammability: Non-combustible (Melting point >1000°C as per ASTM D794).
Extinguishing Media: Use a suitable extinguishing agent for the surrounding fire.
Hazardous Decomposition: None expected.
Protective Equipment: A self-contained breathing apparatus is recommended.

ACCIDENT RELEASE MEASURE:

Avoid dust generation. Use PPE (gloves, goggles, N95 mask).
Vacuum or wet-clean dust (avoid dry sweeping).
Collect waste in sealed containers for safe disposal.

HANDLING AND STORAGE:

Handle with care to minimise dust release.
Store in a dry, covered area in the original packaging until use

EXPOSURE CONTROL/PERSONAL PROTECTION:

Engineering Controls: Local exhaust, dust collection.
PPE:
- Eye: Safety glasses/goggles.
- Skin: Gloves, long-sleeve clothing.
- Respiratory: N95/FFP2 dust respirator if airborne fibres exceed limits.
Hygiene: Wash hands after handling.

PHYSICAL AND CHEMICAL PROPERTIES:

PARAMETERS	CLASSIFICATION
Apperance	Solid, slight yellowish. Some products have aluminium foil, kraft paper laminate, glass mat or metal mesh facing.
Odor	No appreciable odor
Odor threshold	N.A.
pH	7-10 pH
Initial boiling point	N.A.
Boiling Range	N.A.
Melting point	above 1000˚C
Flash point	N.A.
Evaporation rate	N.A.
Flammability	N.A.
Auto flammability	Inflammable
Explosive properties	No unusual fire and explosion hazards. However, paper and foil facings of some products can burn. Special care should be taken when working close to facings with any type of open flame.
Oxidizing properties	N.A.
Vapor pressure	N.A.
Vapor density	N.A.
Product density	40 - 200 kg/m3
Solubility	N.A.
Partition coefficient	N.A.
Auto-ignition temperature	N.A.
Decomposition temperature	N.A.

SUSTAINABILITY AND REACTIVITY:

Chemical Stability: No reported incompatibilities; however, resin binders may be attacked by acidic, alkaline, or solvent-based substances. The cured resin is stable and will remain intact for the life of the product under normal atmospheric conditions.
Reactivity: Aluminium foil may chemically react with high pH materials such as uncured Portland cement in the presence of water. Facing, adhesive, and binder burn or decompose to carbon monoxide, carbon dioxide, carbon particulates, and water. From 150 °C on the binder begins to volatilise.
Possibility of hazardous reactions: None known
Conditions to avoid: None known
Incompatible materials: This product reacts with hydrofluoric acid.
Hazardous decomposition products: None known
Hazardous polymerization: Will not occur.

TOXICOLOGICAL INFORMATION:

Acute Toxicity: Coarse fibers can cause itching of the skin, foreign body reaction in the upper respiratory system (mucous membranes) and in the eyes. The itching and possible inflammation are a mechanical reaction to the coarse fibbers (of more than about 5µm in diameter) and are not damaging I the way chemical irritants may be. They generally abate within a short time after the end of exposure. When products are handled continually, the skin itching generally diminishes.
Chronic Toxicity: According to IARC rock (stone) wool is classified as Group 3, "not classifiable as to it is carcinogenicity to humans". (In October 2001, the International Agency for Research on Cancer "IARC", part of the World Health Organization reviewed its 1987 classification of mineral wool fibers and removed them from the list of possible carcinogens).

ECOLOGICAL INFORMATION:

Not biodegradable but inert.
Not hazardous to the aquatic/terrestrial environment.

DISPOSABLE CONSIDERATION:

Disposal instructions: Product is not considered as a hazardous waste. Place in sealed, appropriately labeled plastic bags and dispose of in accordance with local authority guidelines. Clean area with micro equipped vacuum or wet sweep. Any waste material should be cleaned up and disposed of in accordance with local authority guidelines. Use protective equipment as described in Section 8 when handling uncontained material.

Disposal of any contaminated packaging: Container should be recycled after cleaning or if would like to dispose of container, properly dispose of this according to related legislations and local regulations.

TRANSPORT INFORMATION:

PARAMETERS	CLASSIFICATION
General	No special precautions.
UN Number	None allocated
UN proper shipping Name	None allocated
Transport Hazard Class	None allocated
Packaging group	None allocated
Marine Pollutant	No
Transport Requirement	Stone wool insulation is not regulated as dangerous good. No special transport requirements are necessary. Not dangerous for transport under ADG,IMO and IATA/ICAO regulations.

REGULATORY INFORMATION:

Classification: Classified as non-hazardous according to state regulations.

OTHER INFORMATION:

Issue Date: 7th Oct 2025

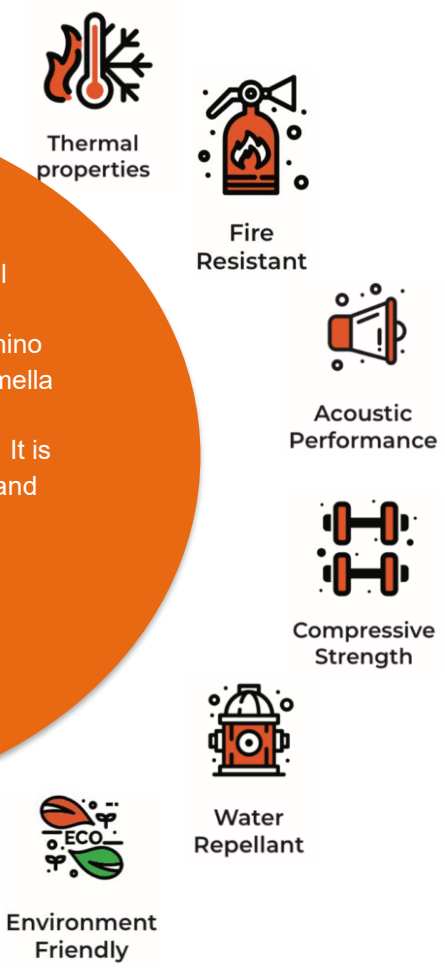
Revision: N.A.

India's Greenest Rock Mineral Wool

rhino™ ROCK SOLID INSULATION

Rhino rock mineral wool is manufactured from inorganic minerals from domestic and international sources. The raw materials are heated between 1600º-1800º C and transformed into fine fibers. Rhino is available in wired matts, slabs, building rolls, lamella and loose wool in various shapes, facings and dimensions with different technical characteristics. It is used for thermal and sound insulation, fire safety and acoustic performance.

- It does not decompose and corrode
- It is asbestos and rot free
- It is resistant to insects, mold, fungi, and vermin



ABOUT SARDA: Sarda Energy & Minerals Ltd., the flagship company of Sarda Group is a diversified Indian multinational, from mining to milk production. With a market cap of ~INR 16,000 Cr, a top line of >INR 5,000 Cr., and 8,000+ employees, Sarda is a name trusted across industries the world over. Sarda Metals & Alloys Ltd., a 100% subsidiary of the group is the largest producer and exporter of high value alloys. Visit us @ www.sardagroup.in

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COMPANY ACCREDITATIONS

ISO 9001 : 2015 · ISO 14001 : 2015 · ISO 45001 : 2018 · ISO 50001 · NABL · THREE STAR EXPORT HOUSE · Bureau of Indian Standards · Great Place To Work. Certified

CERTIFIED AS A GREAT PLACE TO WORK IN YEAR 2025-2026

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