

Safety Data Sheet – Sindanyo H91

(according to Regulation (EC) No 1907/2006 (REACH)

REVISION: August 2016

DATE OF FIRST ISSUE: APRIL 2004

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

1.1. Product Identifier

NON-ASBESTOS INSULATION BOARD

SINDANYO L21, L23, L26, H51, H61, H91, H93, H96, S70M, REFRAVER AND REFRAVER S

1.2. Relevant identified uses of the substance or mixture and uses advised against

Wide range of applications as high temperature thermal and electrical insulation.

1.3. Details of the supplier of the safety data sheet

RS Components Ltd,

Birchington Road,

Corby,

Northants,

NN17 9RS

Tel: +44 (0) 1536 402888

1.4. Emergency telephone number

RcustomerServicesUK@rs-components.com

+44 (0) 1536 402 888

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]: Not classified.

Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]: Not applicable.

Supplemental hazard information (EU):

These products are not hazardous in the form in which they are shipped by the manufacturer.

However, low levels of dust may result as a consequence of downstream activities, eg, cutting and machining.

These products do not contain substances that meet the criteria for PBT or vPvB according to Annex XIII of REACH.

2.3. Other hazards

Mild mechanical irritation to skin, eyes and upper respiratory system may result from exposure, however any effects are usually temporary.

3. Composition/information on ingredients

These products are insulation boards made from varying amounts of Ordinary Portland Cement blended with minerals, clays and a number of different fibre-based materials. The products are then fully cured.

Certain grades have cured silicone coatings, these are:

SINDANYO L26, H56, H93 & H96, REFRAVER S

4. First Aid Measures

4.1 Description of first aid measures

General Information: The main hazards arise from downstream activities such as cutting and machining.

Following Inhalation: Avoid breathing dust. If breathing difficulties are experienced whilst machining, remove to fresh air or a ventilated area and seek medical advice.

Following Skin Contact: If possible, vacuum excessive dust from clothes as well as skin and hair. Wash and clean contaminated skin with soap and clean water. Clothes should be washed professionally.

Following Eye Contact: In case of eye contact, Irrigate abundantly with water. Seek medical attention.

Following Ingestion: If small quantities are ingested, seek medical advice.

Self-Protection for First Aider: Wear suitable personal protective equipment to avoid inhaling dust.

4.2 Most Important Symptoms and Effects, both Acute and Delayed

Symptoms: No symptoms expected.

Effects: No effects expected.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Notes for doctor: None required

Special Treatment: None required.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Not flammable.

Unsuitable extinguishing media: Not applicable

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: None.

5.3 Advice for fire-fighters:

None required

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Avoid inhaling dust.

Protective equipment: Protective clothing should be provided for operators along with protective equipment shown in Section 8.

Emergency procedures:

For emergency responders: Avoid inhaling dust.

Personal protective equipment: Protective clothing should be provided along with protective equipment shown in Section 8.

6.2 Environmental precautions

Prevent spread of dust by dampening any dust spillages. Check local regulations before rinsing or flushing to drain.

6.3 Methods and materials for containment and cleaning up

For containment: Dampen down any dust spillages as soon as possible. Do not allow dust to be dispersed by wind.

For cleaning up: Remove large pieces of board by hand and use a vacuum cleaner to remove dust. If a brush is used ensure that dust is dampened beforehand.

Do not allow dust to be dispersed by use of compressed air.

Dust and pieces of board should be packaged into impermeable plastic sacks which should be sealed. Such waste should then be disposed of according to local regulations.

6.4 Reference to other sections

Section 7 for Handling and Storage and Section 8 for protective equipment

7. Handling and storage

7.1 Precautions for safe handling

Protective measures: No special protective measures are normally required.

Fire prevention: Products are not flammable.

Aerosol and dust generation prevention: Small amounts of dust may be generated if boards are allowed to abrade against each other.

Environmental precautions: No special precautions are required.

Advice on general occupational hygiene: Wear protective clothing.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions: Both un-machined and machined boards should be packed to prevent movement, abrasion during transit and absorption of water. Otherwise normal safe precautions for storage can be used.

To avoid damage and distortion, store on a smooth level surface in a fully supported position off the ground and in a dry place.

Packaging materials: Card cartons.

Requirements for storage rooms and vessels: Dry location.

Hints on storage assembly: Care should be taken not to exceed safe working loads for equipment and storage shelves or racks.

Storage class: N/A

Materials to avoid: No special requirements.

Further information on storage conditions: N/A

7.3 Specific end uses:

Recommendations: N/A

Specific end uses: See references to dust hazards during cutting and machining, Section 4.

8. Exposure controls/personal protection

8.1 Control Parameters

UK monitoring methods can be found as follows:

- NIOSH 0500 – Particulates not otherwise regulated, total
- NIOSH 0600 – Particulates not otherwise regulated, respirable.

8.2 Exposure Controls

Fit and use appropriate local exhaust ventilation systems for cutting and machining operations. Maintain a clean workplace using a vacuum cleaner.

9. Physical and chemical properties

9.1 Information on Basic Physical and Chemical Properties

Physical State	Solid material
Appearance	Board
Colour	Grey/white
Odour	L26, H56, H96 may have a slight silicone odour
Odour threshold	N/A
pH	N/A
Melting / Freezing Point	See Technical Brochure for maximum working temperatures
Boiling point	N/A
Flash point	N/A
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Upper/lower flammability or explosive limits	N/A
Upper explosive limit	N/A
Lower explosive limit	N/A
Vapour pressure	N/A
Vapour density	N/A
Relative density	N/A
Solubility	Not soluble in water
Partition coefficient n-octanol/water	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Dynamic viscosity	N/A
Kinematic viscosity	N/A
Explosive properties	N/A
Oxidising properties	N/A

10. Stability and reactivity

10.1 **Reactivity:** Stable and non-reactive

10.2 **Chemical Stability:** Stable and inert.

10.3 **Possibility of Hazardous Reaction:** No hazardous reactions.

10.4 **Conditions to Avoid:** None.

10.5 **Incompatible Materials:** None.

10.6 **Hazardous Decomposition Products:** None.

11. Toxicological Information

11.1 Information on Toxicological Effects

Exposure is mainly to low levels of dusts generated during downstream activities such as cutting and machining.

Acute Effects

Acute Inhalation Toxicity Nose and throat irritation

Skin Irritation Mild irritation

Eye Irritation Irritation

Chronic Effects

Respiratory or Skin Sensitisation Irritation of both the respiratory tract and skin is by mechanical means and is not the result of an allergic reaction or chemical damage.

12. Ecological Information

12.1 **Toxicity:** SINDANYO and REFRAVER products are insoluble in water and remain stable over time.

12.2 **Persistence and Degradability:** Not established.

12.3 **Bio-accumulative Potential:** Not established.

12.4 **Mobility in Soil:** No information available.

12.5 **Results of PBT and vPvB Assessment:** These products do not contain substances that are considered as either PBT or vPvB.

12.6 **Other Adverse Effects:** No other additional information available.

13. Disposal Considerations

13.1 Waste Treatment Methods

Product/Packaging Disposal: Packaging can be cleaned and recycled.

Waste Treatment Options: Waste from these products may be disposed of in landfill according to local regulations.

14. Transport Information

14.1 **UN Number:** N/A

- 14.2 UN Proper Shipping Name:** N/A
- 14.3 Transport Hazard Class(es):** N/A
- 14.4 Packing Group:** N/A
- 14.5 Environmental Hazards:** N/A
- 14.6 Special Precautions for User:** N/A
- 14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** N/A

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

EU Regulations

Regulation (EC) No 1272/2008, 20th January 2009, on Classification, Labelling and Packaging of Substances and Mixtures (OJL 353).

The 7th Adaptation to Technical Progress (ATP) to Regulation (EC) No 1272/2008 was published on 15th July 2015.

Worker Protection

In accordance with the following directives and their amendments:

Council Directive 89/391/EEC, 12th June 1989 on the Introduction of measures to encourage improvements in the safety and health of workers at work

- 15.2 Chemical Safety Assessment:** Available on request.

16. Other Information

- 16.1 Indication of Changes:** Fully revised 8th August 2016.
- 16.2 Abbreviations and Acronyms:** None used.
- 16.3 Key Literature References and Sources of Data:** See main sections.
- 16.4 Classification for Mixtures and Used Evaluation Method According to Regulation (EC) 1207/2008 [CLP]:** See Section 2.
- 16.5 Relevant R-, H- and EUH Phrases (Number and Text):** N/A