SIDERISE

R-DNC ducting noise control

1. Identification of the substance/mixture and of the company

1.1 Product identifier
SIDERISE R-DNC acoustic foam.

1.2 Relevant identified uses of the substance or mixture and uses advised against
Open cell foam for the production of sound and thermal insulation for the building and OEM industries, for industrial processing only. Not recommended uses: cleaning purposes.

1.3 Details of the supplier of the safety data sheet
Siderise Group, Unit 21, Lady Lane Industrial Estate,
Hadleigh, Suffolk, UK
IP7 6BQ
Tel: +44 (0)1473 827695; Fax: +44 (0)1473 827179
Email: sds@siderise.com; Web: www.siderise.com

1.4 Emergency telephone number
SIDERISE office 9am to 5pm - Monday to Friday
Tel: +44 (0)1473 827695

2. Hazards identification

2.1 Label elements

2.1.1 Globally Harmonized System, EU (GHS)
This product does not require a hazard warning label in accordance with GHS.

2.1.2 According to Directive 67/548/EEC or 1999/45/EC
The product does not require a hazard warning label in accordance with EC Directives.

2.2 Classification of the substance or mixture

2.2.1 According to Regulation (EC) No 1272/2008 [CLP]
No need for classification according to GHS criteria for this product.

2.2.2 According to Directive 67/548/EEC or 1999/45/EC
No particular hazards known.

2.3 Other hazards - According to Regulation (EC) No 1272/2008 [CLP]
No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition/Information on ingredients

3.1 Identification of substance or preparation
Polymer based on: melamine resin.

4. First aid measures

4.1 Description of first aid measures
Remove contaminated clothing.

4.1.1 Inhalation
No hazards anticipated. If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

4.1.2 Skin
Wash thoroughly with soap and water. Consult a doctor if skin irritation persists.

4.1.3 Eye
If difficulties occur: Wash affected eyes for at least 15 minutes under running water with eyelids held open. If symptoms persist, seek medical advice.

4.1.4 Ingestion
Rinse mouth and then drink plenty of water. If difficulties occur: Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

4.2.1 Symptoms
No reaction of the human body to the product known.

4.2.2 Hazards
No hazard is expected under intended use and appropriate handling.

4.3 Indication of any immediate medical attention and special treatment needed
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire fighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media
Water spray, foam, dry powder, carbon dioxide.

5.2 Special hazards arising from the substance or mixture
In case of fire, the following products can be emitted: carbon monoxide, carbon dioxide, formaldehyde...%, fumes/smoke, carbon black, toxic gases/vapours
Formation of further decomposition and oxidation products depends upon the fire conditions.

5.3 Advice for firefighters
Special protective equipment:
Wear a self-contained breathing apparatus.

5.4 Further information
The degree of risk is governed by the burning substance and the fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Avoid skin contact and inhalation of dust/aerosol.

6.2 Environmental precautions
Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

7. Handling and storage

7.1 Precautions for safe handling
Protect against moisture. Avoid dust formation. Processing machines must be fitted with local exhaust ventilation.
Ensure thorough ventilation of stores and work areas.

7.2 Conditions for safe storage, including any incompatibilities
May be kept indefinitely if stored properly. Protect against moisture.

7.3 Information about protection against explosions and fires
No special precautions necessary.

7.4 Specific end use(s)
For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure controls / personal protection

8.1 Control parameters
Components with workplace control parameters 50-00-0: formaldehyde...%. The limit values will not be achieved if the product is processed properly and suitable ventilation is provided.

8.2 Exposure controls

8.2.1 Individual protection measures, such as personal protective equipment

■ Eye protection
Required when there is a risk of eye contact. Safety glasses.

■ Respiratory protection
Breathing protection if dusts are formed. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1 or FFP1).

■ Hand protection
Protective gloves against mechanical risks (EN 388).

■ Body protection
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

8.2.2 General safety and hygiene measures
No special measures necessary if stored and handled correctly. Handle in accordance with good industrial hygiene and safety practice. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance: Blocks, foam material, sheets.

b) Colour: Various; depending upon colourant.

c) Odour: Odourless.

d) Odour threshold: Not determined.

e) pH value: Not applicable.

f) Melting point: The substance / product decomposes therefore not determined.

g) Boiling range: The substance / product decomposes therefore not determined.

h) Flash point: The substance / product decomposes therefore not determined.

i) Evaporation rate: Not applicable. The product is a non-volatile solid.

j) Flammability: Not highly flammable.

k) Lower explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

l) Upper explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

m) Ignition temperature: > 580°C (ASTM D1929)

n) Vapour pressure: Not applicable.

o) Density: Approx. 4 - 12 g/l (20°C, 1,013 hPa).

p) Relative density: Approx. 0.004 - 0.012 (20°C, 1,013 hPa).

q) Relative vapour density (air): Not applicable. The product is a non-volatile solid.

r) Solubility in water: Not soluble (20°C, 1,013 hPa).

s) Self ignition: Not self-igniting.

t) Thermal decomposition: > 350°C

u) Explosion hazard: Not explosive.

v) Fire promoting properties: Not fire-propagating.

9.2 Other information: The product can absorb 100 times its own weight.

a) Classification of reaction to fire: B1 (DIN 4102-1)

b) Bulk density: Not applicable.

10. Stability and reactivity

10.1 Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

10.2 Chemical stability
The product is stable if stored and handled as prescribed/indicated.

10.3 Possibility of hazardous reactions
The product is stable if stored and handled as prescribed/indicated.

10.4 Conditions to avoid
Avoid humidity.

10.5 Incompatible materials
Substances to avoid: Strong acids, strong oxidizing agents, Halogens/ halogenation agents.

10.6 Hazardous decomposition products
Possible decomposition products: At prolonged and/or strong thermal stressing above the decomposition temperature dangerous decomposition products can be formed.

11. Toxicological information

11.1 Information on toxicological effects

a) Acute toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Experimental/calculated data:
LD50 rat (oral): > 5,000 mg/kg

b) Irritation: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant

c) Respiratory/skin sensitization: There is no evidence of a skin-sensitizing potential. A sensitizing effect on particularly sensitive individuals cannot be excluded.

d) Germ cell mutagenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

e) Carcinogenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. There is no formation of respirable dust during intended uses. However, if dust formation occurs at processing/finishing processing steps like regranulation, mechanical machining (for example drilling, grinding etc.), occupational protection regulations have to be considered.

f) Reproductive toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

g) Repeated dose toxicity and Specific target organ toxicity (repeated exposure): Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

h) Other relevant toxicity information: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

12. Ecological information

12.1 Toxicity
Assessment of aquatic toxicity: There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the structure of the product.

12.2 Persistance and degradability
Assessment biodegradation and elimination (H2O): The polymer component of the product is poorly biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

In accordance with the required stability the product is not readily biodegradable. The product has not been tested. The statement has been derived from the structure of the product.

12.3 Bio-accumulative potential
Because of the product's consistency and low water solubility, bioavailability is improbable.

12.4 Mobility (and other compartments if available)
Assessment transport between environmental compartments: Study scientifically not justified.

12.5 Results of PBT and vPvB assessment
The product does not fulfill the criteria for PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative).

12.6 Additional information
Add. remarks environm. fate & pathway: Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

13. Disposal considerations

13.1 Waste treatment methods
Check for possible recycling. Observe national and local legal requirements.

13.2 Packaging
Contaminated packaging: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product. Completely emptied packagings can be given for recycling.

14. Transportation

14.1 Land transport
ADR: Not classified as a dangerous good under transport regulations.

RID: Not classified as a dangerous good under transport regulations.

14.2 Inland waterway transport
ADN: Not classified as a dangerous good under transport regulations.

14.3 Sea transport
IMDG: Not classified as a dangerous good under transport regulations.

14.4 Air transport
IATA/ICAO: Not classified as a dangerous good under transport regulations.

14.5 Environmental hazards
Not applicable.

14.6 Special precautions for user
None specified.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2 Chemical safety assessment
A safety data sheet for this product is legally not required and is provided by us just as a courtesy to our customers.

Product is not classified as hazardous.

Chemical Safety Assessment not required.

15.3 Important notice
The information included in the Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.

No liability will be accepted (except as by specified by law) for use of information taken from this Safety Data Sheet. It is the responsiblity of the user of this product to observe the rules and regulations.

16. Other information

16.1 Standard information
In addition to the information given in the safety data sheet we refer to the product specific 'Technical Information'. The product does not contain recycled material.

16.2 Additional information
This Safety Data Sheet refers specifically to the products listed and can not be used for other products.

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