

POWDER FOR SEALING RADIATORS

IT289

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE UNDERTAKING

1.1 Product identifier

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

Relevant identified uses: powder for sealing radiators

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Manufacturer: **IRONTEK SAS**

Address: 37 Lotissement industriel de la Gare, 83500 La Seyne-sur-Mer, FRANCE

Telephone: +33 (0)4 22 14 51 10

Website: www.irontek.fr

E-mail address for a competent person responsible for SDS: contact@irontek.fr

1.4 Emergency telephone number

France : ORFILA (INRS) : +33 (0)1 45 42 59 59

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Human health hazards

Product is not classified as hazardous.

2.1.2 Environmental effects:

Product is not classified as hazardous for the environment.

2.1.3 Physicochemical adverse effects:

Not known.

2.2 Label elements

Hazard pictograms and signal words

None.

Substance name for labeling

None.

Hazard statements

None.

Precautionary statements

P102- Keep out of reach of children.

Additional information

None.

2.3 Other hazards

There is no information whether the mixture components meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. Suitable tests were not conducted.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Product is a mixture of components which are not classified as dangerous, in 95% it consists of organic fibers which are a trade secret of the Manufacturer.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Ingestion: rinse mouth with water and give 2-3 glasses of water to drink. Call a doctor or a toxicological center. Do not induce vomiting

Inhalation: Not applicable.

Skin contact: take off contaminated clothing. Clean the contaminated skin mechanically, rinse it with large amount of water and then with water and mild soap. Do not use solvents. Consult a doctor if necessary.

Eye contact: remove contact lenses if present. Wash contaminated eyes thoroughly with plenty of water for at least 10 minutes, with eyelids wide open. Consult an ophthalmologist.

Attention: people exposed to eye contamination should be instructed on the necessity and method of immediate eyewash.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact: may cause irritation, redness, tearing.

Ingestion: may cause nausea, vomiting and stomach ache.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: water mist, extinguishing foam resistant to alcohol, CO₂, dry chemicals.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2 Special hazards arising from the substance or mixture

Elevated temperature may cause that the containers will rapidly unseal and release harmful gases and aerosols.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Remove the endangered containers if it is possible and safe or cool them with water spray from a safe distance.

Other possible symptoms

Routes of exposure: ingestion, eye contact.

Local effect:

Skin contact: may cause irritation.

Eye contact: may cause irritation and tearing.

Dust inhalation: may cause shortness of breath with cough and problems with breathing.

Ingestion: may cause irritation of mucous membranes in digestive tract.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Limit the access of the outsiders to the breakdown area until suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Use personal protective equipment. Avoid prolonged contact with skin. Avoid contact with eyes. Proceed in accordance with good occupational hygiene and safety practices.

For emergency responders: only trained personnel can remove the effects of the accident. Use chemical protective clothing.

6.2 Environmental precautions

Prevent the product from spreading into drinking water, soil, canalization. Eliminate the leakage if possible (close the liquid flow, seal the container and place it in a protective packaging). Notify relevant emergency services if necessary.

6.3 Methods and material for containment and cleaning up

Wipe a small leakage with a paper towel. Large spillage: isolate places where liquid accumulates and clean it – cover it up with, e.g.: sand, soil and collect it to a closed, well labeled container. Clean the contaminated area with large amount of water.

6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protective equipment – section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid eye contamination. Do not breathe vapours. Before break and after work wash hands carefully. Keep the unused containers tightly closed. Ensure adequate ventilation of the area where product is used. Use in accordance with identified purpose placed on the unit packaging.

7.2 Conditions for safe storage, including any incompatibilities

All storage areas must be properly ventilated. Store in original, tightly closed and properly labeled (in national language) containers in accordance with applicable regulations. Storage places must be dry, adapted to storage of chemicals. Ground should be made of impermeable material, preferably ceramic. Store in cool areas.

Protect from sunlight and heat sources. Follow the recommendations from the SDS.

7.3 Specific end use(s)

Not applicable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

The product does not contain any components which are subject to exposure control in the workplace.

Legal basis: Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EC.

8.2 Exposure controls

Use the product in accordance with good occupational hygiene and safety practices. Do not eat, drink and smoke during the work. Avoid eye contamination. Ensure adequate ventilation. Install the eyewash station near the workplace. Take off contaminated clothing immediately.

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Hand and body protection

Protective clothes made of dense fabric (preferably from natural fibers). Protective aprons. Working boots.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eye/face protection

Not required. Protective glasses may be used.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Applied personal protective equipment must comply with the requirements of the Directive 89/686/EC. The employer is obliged to provide protective equipment relevant to performed activities and in accordance with all quality requirements, including its maintenance and cleaning.

Environmental exposure controls

Do not allow to enter directly into drains/ surface waters.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

physical state:	powder
colour:	grey
odour:	faint
odour threshold:	not determined
pH:	not applicable
melting point/freezing point:	no data
initial boiling point and boiling range:	no data
flash point:	no data
evaporation rate:	no data
flammability (solid, gas):	no data
upper/lower flammability or explosive limits:	not applicable
vapour pressure:	no data
vapour density:	no data
relative density:	not applicable
solubility(ies):	no data
partition coefficient: n-octanol/water:	no data
auto-ignition temperature:	not applicable
decomposition temperature:	no data
explosive properties:	not applicable
oxidising properties:	not applicable
viscosity:	no data

9.2 Other information

No additional test results.

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is stable under normal conditions of storage and use.

10.2 Chemical stability

The product is stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions

No data.

10.4 Conditions to avoid

No data.

10.5 Incompatible materials

No data.

10.6 Hazardous decomposition products

Carbon oxide, aluminium oxide, sodium compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Other possible symptoms

Routes of exposure: ingestion, eye contact.

Local effect:

Skin contact: may cause irritation.

Eye contact: may cause irritation and tearing.

Dust inhalation: may cause shortness of breath with cough and problems with breathing.

Ingestion: may cause irritation of mucous membranes in digestive tract.

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product is not classified as hazardous for the environment.

12.2 Persistence and degradability

No data.

12.3 Bioaccumulative potential

No data.

12.4 Mobility in soil

No data.

12.5 Results of PBT and vPvB assessment

No data.

12.6 Other adverse effects

No data.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal methods for the product: dispose in accordance with the local legislation. Waste code should be given in the place of its formation.

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the local legislation. Only completely empty containers can be recycled.

Legal basis: Directive 2008/98/EC, 94/62/EC.

Please check also national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Not applicable. Product is not classified as dangerous in transport.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

According to transport regulations, mixture is not hazardous for the environment.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Text with EEA relevance).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

15.2 Chemical safety assessment

Manufacturer has not carried out a Chemical Safety Assessment for the product.

SECTION 16: OTHER INFORMATION

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features.

Employer is obliged to inform all of his workers who have a contact with this product about threats and personal protective measures mentioned in this SDS.

Present Safety Data Sheet was prepared on the basis of components SDS provided by their manufacturers, conducted tests and legislation in force on dangerous substances and mixtures.

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.