

Safety Data Sheet 91/155/EEC (e)

Sotin 100 Boiler Cleaner

Sotin GmbH & Co. KG D-55543 Bad Kreuznach

Revised: 23.02.2006



01. Identification of the substance / preparation and of the company

Product: Sotin 100 Boiler cleaner

Use: Cleaning agent

Firma: Sotin GmbH & Co. KG

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02. Composition / Information on ingredients

Substance	EINECS	CAS	Range [%]	Symbol / R-phrases
Potassium Carbonate	209-529-3	584-08-7	15 -< 30	Xi 36/37/38

03. Hazards identification

R36: Irritating to eyes, respiratory system and skin..

04. First aid measures

General information:

Change soaked clothing.

Inhalation:

Ensure supply of fresh air. In the event of symptoms refer for medical treatment.

Skin contact:

In case of contact with skin wash off immediately with plenty of water. Consult a doctor if skin irritation persists.

Eye contact:

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Ingestion:

Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Supply with medical care.

05. Fire-fighting measures

Suitable extinguishing media:

Carbon dioxide (CO₂), powder or water spray. Fight large fires with water spray or alcohol resistant foam.

Extinguishing media that must not be used:

Full water jet.

Special exposure hazards arising from the substance or preparation itself or combustion products:

In the event of fire the following can be released: Carbon oxides, not combusted Hydrocarbons, toxic pyrolysis products.

Special protective equipment for fire fighters:

Use self-contained breathing apparatus.

Additional information:

Fire residues and contaminated fire fighting water must be disposed in accordance with the local regulations.

06. Accidental release measures

Personal precautions:

Wear protective clothing.

Environmental precautions:

Damp down dust with water spray. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface water/groundwater.

Methods for cleaning up:

Pick up with absorbent material (e.g. sand, sawdust, general purpose binder, diatomite). Dispose of absorbed material in accordance with the regulations.

07. Handling and storage

Advice on safe handling:

Use only in well-ventilated areas.

Advice on protection against fire and explosion:

No special measures necessary.

Requirements for storage rooms and vessels:

Provide alkali-resistant floor. Only use containers that are approved specifically for the product.

Advice on storage compatibility:

Do not store together with acids. Do not store together with oxidizing agents.

Further information on storage conditions:

Keep container tightly closed. Keep container in a well-ventilated place. Protect from humidity and water.

08. Exposure controls / personal protection

Ingredients with occupational exposure limits to be monitored: -

Hand protection: Butyl rubber, > 120 min (EN 374)

Eye protection: Safety glasses (EN 166)

Skin protection: not applicable

General protective measures:

Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols.

Hygiene measures:

Do not eat, drink, smoke or take drugs at work. Wash hands before breaks and after work. Use barrier skin cream.

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09. Physical and chemical properties

Form:	solid
Colour:	grey
Odour:	characteristic
pH-value:	ca. 11
Boiling point [°C]:	undetermined
Flash point [°C]:	n.a.
Lower explosion limit:	n.a.
Upper explosion limit:	n.a.
Self-igniting:	no
Density [g/cm³]:	0,8 – 0,9
Solubility in water:	fully miscible
Viscosity:	-

10. Stability and reactivity

Hazardous reactions:
No dangerous reactions known.

Hazardous decomposition products:
No dangerous decomposition products known.

11. Toxicological information

Acute oral toxicity:
Primary irritant effect:
Skin contact:
Irritant to skin and mucous membranes.
Eye contact:
Irritating effect.
Sensitization:
No sensitizing effects known.

General remarks:
The product was classified on the basis of the calculation procedure of the preparation directive.

12. Ecological information

Fish toxicity: undetermined
Behaviour in environment compartments: undetermined
AOX-advice:
No dangerous components.

13. Disposal considerations

Disposal / Product (recommended):

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Waste no. (recommended): 061399

Disposal / Contaminated packaging (recommended):

Packaging that cannot be cleaned should be disposed of as for product. Emptied and rinsed clean packing can be reused.

14. Transport information

Not classified as dangerous goods in accordance to transport regulations.

15. Regulatory information

Labelling:

The product is classified and labelled in accordance within EC-directives.



Hazard symbols:

Xi
Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.

S1/2: Keep locked up and out of the reach of children.
S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28: After contact with skin, wash immediately with plenty of water and seek medical advice.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other information

R-phrases (Information on ingredients - position 2)

R36/37/38: Irritating to eyes, respiratory system and skin.

This informations are based on our present state of knowledge. They describe our product in view of the requirements for safety. They don't assure of certain properties of the product..