

Safety Data Sheet




According to EEC-Regulation 91/155/EEC
SD 662255200

1. Identification of the substance / preparation and of the company / undertaking

Identification of the substance/preparation: **Hobart® Hygiene Tabs intensiv**
Use of the substance/preparation: Descaler
Company/undertaking identification: **HOBART GmbH**
Robert-Bosch-Straße 17
D-77656 Offenburg
Tel.: ++49(0)781/600-0
Emergency telephone: Tel.: ++49(0)7804/41-167

2. Composition / information on ingredients

Mixture of following substances with non-dangerous ingredients:

Chemical name:	CAS-Number:	%-content	symbol	R-phrases
Sulphamic acid	CAS: 59-49-29-1	> 25 %	 Xi	R36/38, R52/53
Disodium silicaste	CAS:1344-09-8	> 5 %	 Xi	R36/37/38
Non-ionic tensides		< 5 %	 Xi	R36

3. Hazards identification

R36/38: Irritating to eyes and skin
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First-aid measures

Inhalation: Rest, fresh air, put into recovery position should the casualty become unconscious. Get medical advice if necessary
Skin contact: Remove contaminated clothing, wash thoroughly with water. Seek medical help if necessary.
Eye contact: Rinse for several minutes under running water with eyelid lifted and consult a doctor.
Ingestion: Immediately rinse out mouth and drink large quantities of water, do not encourage casualty to vomit; seek medical help.

5. Fire-fighting measures

Suitable extinguishing media: Water jet spray, CO₂, dry powder
Extinguishing media which must not be used for safety reasons: ---
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: NO_x, SO₂, SO₃, Ammonia
Do not breathe in any fumes caused by a fire
Special protective equipment for fire-fighters: Acid-resistant protection clothing
Further details: Dispose of fire residues and contaminated water used in fire fighting in accordance with all relevant local authority regulations. Any contaminated water used in fire fighting is to be collected separately, and must not enter the sewer system.

6. Accidental release measures

Personal precautions: Wear clothing to protect against chemicals. Keep unauthorised persons at a safe distance.
Environmental measures: Does not allow to enter the sewer system / pollute the environment
Methods for cleaning up: Take up dry and dispose in accordance with regulations.
Recommended cleaning agent: Water

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7. Handling and storage

Handling: Avoid generation of dust. Do not mix with alkalis.
Storage: Store in tightly.

8. Exposure controls / personal protection

Components containing workplace-related exposure limit values that require monitoring

MAK:

General protection and hygiene measures:

General hygiene measures for handling chemicals should be observed

Personal protective equipment:

Respiratory protection: ---

Skin protection: ---

Hand protection: protective rubber gloves, acid resistant, to use (EN374)

Eye protection: tight-fitting protective goggles with sight protective (EN 166)

9. Physical and chemical properties

Physical state:	solid
Colour:	white
Odour:	lemon
pH-Value (undiluted)	k.D.v.
pH-Value (at 2 g/l water)	2,3
Change of state	
Melting point/melting temperature range:	k.D.v. °C
Boiling point/boiling temperature range:	> 90 °C
Flash point:	k.D.v.
Flammability (solid, gaseous):	n.a.
Spontaneous ignition:	k.D.v.
Explosion hazard:	k.D.v.
Fire-promoting characteristics:	
Steam pressure: (°C)	k.D.v.
Relative density: (20 °C)	1,7 g/ml
Bulk density: (20 °C)	n.a.
Solubility in water(20 °C):	mixable
in (°C):	g/l
Distribution coefficient (n-octanol/water):	k.D.v.
Other details:	

10. Stability and reactivity

Conditions/Materials to avoid: alkalis, strong oxidizer
Hazardous decomposition products: No decomposition, if stored and handled correctly.

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11. Toxicological information

Acute toxicity and immediate effects:
 Ingestion, LD50 rat oral (mg/kg): k.D.v.
 Inhalation, LC50 rat inhaled (mg/l/4h): k.D.v.
 Skin contact, LD50 rat dermal (mg/kg): k.D.v.
 Eye contact: k.D.v.

Delayed and chronic effects:
 Sensitization: k.D.v.
 Carcinogenicity: k.D.v.
 Mutagenicity: k.D.v.
 Reproductive toxicity: k.D.v.
 Narcosis: k.D.v.

Additional information:
 Classification according to calculation procedure
 Irritating to eyes and skin

12. Ecological information

This product meets the requirements of the Directive 648/2004/EC. When discharging into the waters, comply with all regulations stipulated by the water law as amended by local authority regulations
 The constituents contained in this preparation are - in part - included in the list of substances hazardous to water.

13. Disposal considerations

Disposal: Comply with all local authority regulations. Dispose after prior chemical/physical pre-treatment

Waste code: 060199

Non-cleaned packages: Contaminated packages are to be emptied optimally, following corresponding cleaning action they can be recycled.

14. Transport information

Road-transport :	ADR/RID/GGVS/GGVE:	class 8	Packing code:	III
	UN-Nr.:	2967		
	Designation of goods:	sulphamic acid		
	Special:	LQ		

Transport by sea:	GGVSea:	class 8
	UN-Nr.:	2967
	Designation of goods:	sulphamic acid

Transport by air:	ICAO/IATA:	class 8
	UN-Nr.:	2967
	Designation of goods:	sulphamic acid

Identification of the substance / preparationTrade Name: **Hobart® Hygiene Tabs intensiv****15. Regulatory information**Classification according to Dangerous Product Regulations

Contains sulphamic acid

Hazard symbol: Xi irritant



R-Phrases: R36/38: Irritating to eyes and skin

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S- Phrases: S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves

National regulations

Water hazard class (WGK) (Germany): 1 (self-assessment)

VbF (Germany): ---

ChemGiftInfoV: no

16. Other information

Revised points for R-Phrases (point 2)

R36: Irritating to eyes

R36/38: Irritating to eyes and skin

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

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legend:

k.D.v. = not available / n.a. = not applicable / MAK = maximum concentration for work place (Germany) /

TRK = technical guidance concentration (Germany) / BAT = biological tolerance for work place (Germany)

Further details can be found on the label. These details are based on the current state of knowledge and experience; they do not represent any warranty as to specific qualities.