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

Identification of the substance or preparation

TICKOPUR R 60P

Use of the substance/preparation

Cleaning agent. Intensive cleaner for the ultrasonic bath, highly alkaline, powder.
*Restricted to professional users.

Company/undertaking identification

Company name :	DR.H.STAMM GmbH	Responsible Department :	
Street :	Heinrichstr. 3-4	Telephone :	+49-(0)30-768 80-258
Place :	D-12207 Berlin	e-mail :	sdb@dr-stamm.de
Telephone :	+49-(0)30-768 80-280		
Internet :	www.dr-stamm.de	Emergency telephone :	+49-(0)30-768 80-280

Further Information

24-hours-emergency: Giftnotruf Berlin: +49-(0)30-30686790 (german, english)

2. Hazards identification

Classification

Indications of danger : Corrosive, Irritant
R-phrases:
Causes severe burns.
Irritating to respiratory system.

3. Composition/information on ingredients

Chemical characterization (Mixture)

Hazardous components

EC-No.	CAS-No.	Components	Quantity	Classification
215-185-5	1310-73-2	caustic soda, sodium hydroxide	<32 %	C R35
207-838-8	497-19-8	sodium carbonate	<30,0 %	Xi R36
231-509-8	10101-89-0	Trisodiumphosphate	<30,0 %	Xi R36/37/38
	68411-30-3	C10-C13 Sodium alkylbenzene sulfonate	<5,0 %	Xn, Xi R22-38-41
200-573-9	64-02-8	Ethylenediaminetetraacetic acid tetrasodium salt	<3,0 %	Xn R22-36

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

General information

Take off immediately all contaminated clothing.

After inhalation

In case of inhalation of aerosols/spray mist/splash spots: Consult physician. Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an opthalmologist.

After ingestion

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Consult physician.

5. Fire-fighting measures

Suitable extinguishing media

Water. Foam. Atomized water.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Can be released in case of fire: Nitrogen oxides (NOx). Carbon dioxide (CO2).

Special protective equipment for fire-fighters

Special protective equipment for fire-fighters: Use appropriate respiratory protection. In case of fire and/or explosion do not breathe fumes.

Additional information

Material is not combustible. Extinguishing materials should be selected according to the surrounding area.

6. Accidental release measures

Personal precautions

Keep away from unprotected people. Keep upwind. Wear respiratory protection when in the presence of vapour, dust, and aerosols. Guide people to safety.

Environmental precautions

Do not empty into drains or the aquatic environment. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

Methods for cleaning up/taking up

Remove mechanically, placing in appropriate containers for disposal. Treat the assimilated material according to the section on waste disposal.

7. Handling and storage

Handling

Advice on safe handling

It is recommended to organise all working processes in order to exclude the following: skin contact. Eye contact.

Advice on protection against fire and explosion

Product is not: Oxidizing. Flammable. Explosive.

Storage

Requirements for storage rooms and vessels

Store only in original container.
Keep away from food, drink and animal feedingstuffs.

Storageclass (VCI) : LGK 8 B

8. Exposure controls/personal protection

Exposure limit values

Occupational exposure limits

CAS No.	Substance	ml/m³	mg/m³	f/ml	Category	Origin
1310-73-2	Sodium hydroxide	-	-		TWA (8 h)	
		-	2		STEL (15 min)	

Exposure controls

Occupational exposure controls

Refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.
Take off immediately all contaminated clothing.
Wash hands before breaks and at the end of work.

Respiratory protection

Respiratory protection required in case of: In the case of the formation of dust. particulates filter device (DIN EN 143). P2, P3.

Hand protection

Suitable material: PVC (Polyvinyl chloride). PE (polyethylene). NR (Natural rubber (Caoutchouc), Natural latex). CR (polychloroprenes, Chloroprene rubber). NBR (Nitrile rubber). Butyl rubber. FKM (Fluoroelastomer (Viton)). penetration time (maximum wearing period): >480 min. Breakthrough times and swelling characteristics of the material must be taken into consideration.

Eye protection

Tightly sealed safety glasses.

Skin protection

chemical resistant suit. Protective apron.

9. Physical and chemical properties

General information

Physical state : Powder
Colour : off-white
Odour : characteristic

Important health, safety and environmental information

		Test method
pH-Value (at 20 °C) :	12,1 (1 %)	DGF H-III 1

Changes in the physical state

Melting point :	>300 °C	
Sublimation point :	n.a.	
Softening point :	n.a.	
Flash point :	non-flammable	

Explosive properties

not Explosive.

Oxidizing properties

not oxidizing.

Density (at 20 °C) :	1,0 g/cm³	DIN 12791
Water solubility (at 20 °C) :	150 g/L	

10. Stability and reactivity

Materials to avoid

acid, concentrated. Alkali metals.

Hazardous decomposition products

Possibly extensive generation of hydrogen on contact with amphoteric metals (e.g. aluminium, lead, zinc) (explosive hazard!).

11. Toxicological information

Corrosive and irritant effects

Irritant effect on the skin: corrosive. Irritant effect on the eye: corrosive.

Sensitising effects

no danger of sensitization.

12. Ecological information

Ecotoxicity

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge. due to the alkaline character of the product, usually, it has to be neutralized before contaminated effluents are introduced into the waste water treatment system.

Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

13. Disposal considerations

Advice on disposal

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Contaminated packaging

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

14. Transport information

Land transport (ADR/RID)

ADR/RID class : 8	UN number : 3262	ADR/RID packing group : II
Hazard-no. : 80	Hazard label : 8	Classification code : C6

Description of the goods

CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Contains sodium hydroxide, mixture)

Other applicable information (land transport)

: 2 *: E

Marine transport

IMDG code : 8	UN number : 3262	Hazard label : 8	IMDG packing group : II
EmS : F-A, S-B	Marine pollutant : no		

Description of the goods

CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE, MIXTURE)

Air transport

ICAO/IATA-DGR : 8	UN/ID number : 3262	Hazard label : 8	ICAO packing group : II

Description of the goods

CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (contains sodium hydroxide, mixture)

15. Regulatory information

Labelling

Danger symbols : C - Corrosive

Hazardous components which must be listed on the label

caustic soda, sodium hydroxide

R phrases

35	Causes severe burns.
37	Irritating to respiratory system.

S phrases

22	Do not breathe dust.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
37/39	Wear suitable gloves and eye/face protection.

EU regulatory information

1999/13/EC (VOC) : 0 % (0 g/l)

National regulatory information

Water contaminating class (D) : 2 - water contaminating

16. Other information

Full text of R-phrases referred to under sections 2 and 3

22	Harmful if swallowed.
35	Causes severe burns.
36	Irritating to eyes.
36/37/38	Irritating to eyes, respiratory system and skin.
37	Irritating to respiratory system.
38	Irritating to skin.
41	Risk of serious damage to eyes.

Other data

Training instructions: Notice the directions for use on the label.

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

Changes

* Data changed from previous versions

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)