

Pool-i.d. GmbH & Co. KG

Date printed: 21.12.2007, Revision: 18.12.2007

Page 1 / 4

1 Identification of the substance / preparation and of the company

Product: Total Alkalinity
Registration number: not applicable
Use: Reagent for analysis of water
Identified use: none
Method of operation: See product information.
Company: Pool-i.d. GmbH & Co. KG
Daimlerstrasse 20
76344 Eggenstein-Leopoldshafen
Phone: +49(0)721- 55 97 496
Fax: +49(0)721-78 20 29-11
Homepage: www.pool-id.com
E-mail: info@pool-id.com
Emergency phone: +49 (0) 89-19240 (24h)
Responsible: haensler@chemiebuero.de

2 Hazards identification

Physico-chemical hazards: See chapter 10.
Human health dangers: No particular hazards known.
Environmental hazards: See chapter 12.
Other hazards: none
Hazard symbols:

not applicable
R-phrases: not applicable

3 Composition / Information on ingredients

Sulphamic acid	1 - < 5%
----------------	----------

Xi, R36/38-52/53 CAS: 5329-14-6, EINECS/ELINCS: 226-218-8, EU-INDEX: 016-026-00-0, ECBnr:

Comment on component parts: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information: not applicable
Inhalation: not applicable
Skin contact: When in contact with the skin, clean with soap and 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: Rinse out mouth and give plenty of water to drink. Induce the patient to vomit of his own accord only if fully conscious. Supply with medical care.
Advice to doctor: Treat symptomatically.

5 Fire-fighting measures

Suitable extinguishing media: All extinguishing media are suitable but method must take into account the surrounding area to minimize dispersion.
Extinguishing media that must not be used: not applicable
Special exposure hazards arising from the substance or preparation itself or combustion products: Sulphur dioxide (SO₂). Nitrogen oxides (NO_x).
Special protective equipment for firefighters: Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus.
Additional information: Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

6 Accidental release measures

Personal precautions: No special measures necessary.
Environmental precautions: No special measures necessary.
Methods for cleaning up: Take up mechanically. Dispose of absorbed material in accordance within the regulations.

Total Alkalinity

Pool-i.d. GmbH & Co. KG

Date printed: 21.12.2007, Revision: 18.12.2007

Page 2 / 4

7 Handling and storage

Advice on safe handling:	No special measures necessary if used correctly.
Advice on protection against fire and explosion:	No special measures necessary.
Requirements for storage rooms and vessels:	Keep only in original container. Provide acid-resistant floor.
Advice on storage compatibility:	Do not store together with oxidizing agents. Do not store with alkalies.
Further information on storage conditions:	Store in a dry place. Keep container tightly closed. Keep container in a well-ventilated place.

8 Exposure controls / personal protection

Additional advice on system design:	No special measures necessary.
Ingredients with occupational exposure limits to be monitored: (GB)	
(not applicable)	
Respiratory protection:	not applicable
Hand protection:	butyl rubber, > 120 min (EN 374)
Eye protection:	Safety glasses.
Skin protection:	not applicable
General protective measures:	Avoid contact with eyes and skin.
Hygiene measures:	Use barrier skin cream. Wash hands before breaks and after work.
Delimitation and monitoring of the environmental exposition:	not determined

9 Physical and chemical properties

Form:	tablet
Color:	red
Odor:	odourless
pH-value:	2,5 (1g/100ml)
pH-value [1%]:	not determined
Boiling point [°C]:	not applicable
Flash point [°C]:	not applicable
Flammability [°C]:	not applicable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Combustible properties:	no
Vapour pressure [kPa]:	not applicable
Density [g/ml]:	not determined
Density [°C]:	not determined
Bulk density [kg/m³]:	not determined
Solubility in water:	partially soluble
Partition coefficient [n-octanol/water]:	not applicable
Viscosity:	not applicable
Relative vapour density determined in air:	not applicable
Evaporation speed:	not applicable
Melting point [°C]:	not determined
Autoignition temperature [°C]:	not applicable
Decomposition temperature [°C]:	not applicable

10 Stability and reactivity

Hazardous reactions:	Reactions with strong alkalies and oxidizing agents.
Hazardous decomposition products:	No hazardous decomposition products known.

Pool-i.d. GmbH & Co. KG

Date printed: 21.12.2007, Revision: 18.12.2007

Page 3 / 4

11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	Toxicological data are not available. No classification on the basis of the calculation procedure of the preparation directive.

12 Ecological information

Fish toxicity:	not determined
Daphnia toxicity:	not determined
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not determined
Bacteria toxicity:	not determined
Biological degradability:	not determined
COD:	not determined
BOD 5:	not determined
AOX-advice:	not applicable
2006/11/EC:	not applicable
General information:	Ecological data are not available.

13 Disposal considerations

Disposal / Product:	For recycling, consult manufacturer. Coordinate disposal with the disposal contractor/authorities if necessary.
Disposal / Contaminated packaging:	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
Waste no. (recommended):	070799

14 Transport information

Classification according to ADR:	no dangerous goods
- Classification Code:	
- ADR Limited Quantities:	
- Label:	
Classification according to IMDG:	not classified as "Dangerous Goods" - -
- IMDG Limited Quantities:	
- EMS:	
- Label:	
Classification according to IATA:	not classified as "Dangerous Goods"
- Label:	

Pool-i.d. GmbH & Co. KG

Date printed: 21.12.2007, Revision: 18.12.2007

Page 4 / 4

15 Regulatory information

Exposure scenario:	not determinated
Chemical safety report:	not determinated
Labelling:	The product does not require a hazard warning label in accordance with EC-directives.
Hazard symbols:	
	not applicable
R-phrases:	not applicable
S-phrases:	not applicable
Special labelling for certain preparations:	Safety data sheet available for professional user on request.
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable
EEC-REGULATIONS:	1967/548 (2004/73, 29. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
TRANSPORT-REGULATIONS:	ADR (2007); IMDG-Code (33. Amdt.); IATA-DGR (2007).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits with amendments October 2007.

16 Other informations

R-phrases (Chapter 03):	R 36/38: Irritating to eyes and skin. R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Modified position:	none
Observe employment restrictions for people:	no
VOC (1999/13/CE):	not applicable
Customs Tariff:	not determinated
2004/42/CE:	not applicable

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.