

08 Service/Accessories**Info 3154/E/1507**

Supersedes Info 3110

St.Gallen, 29th July 2015

Safety data sheet

Corrosion Inhibitor RK93

Version 21.02.2014

Contains 4 pages

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Toxicological Information Center
Emergency call for Switzerland: 145

1. Identification of substance / preparation and of the company

Information on product

Trade name: **RK 93**

Application of stuff/mixture:: Corrosion inhibitor

Address of producer/supplier: **aic-regloplas-gmbh**
Sigmund-Riefler Bogen 2, 81829 München, Germany

Phone: (+49) 89 992699- 0

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2. Composition / Information on ingredients

Chemical characterisation: Mixture of substances listed below with nonhazardous additions

CAS - Nr. 1310-73-2

EINECS - Nr.: 215-185-5

*Dangerous components: sodium hydroxide C; R 35 10 – 20 %

3. Hazards identification

Symbol of danger:



C corrosive

Information concerning particular hazards for human and environment:

R 35 causes burn

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data

4. First-Aid Measures

General information: Immediately remove any clothing soiled by the product

After inhalation: In case of unconsciousness place patient stable in side position for transportation

After skin contact: Immediately wash with water and soap and rinse thoroughly

After eye contact: Rinse opened eye for several minutes under running water. Then contact a doctor.

After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately

5. Fire - Fighting Measures

Suitable extinguishing agent: CO₂, powder or water spray. Fight larger fires with water spray or alcohol-resistant foam

Protective equipment: No special measures required

6. Accidental release measure

Personal-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection: Dilute with plenty of water. Do not allow to enter sewers/surface or ground water

Material Safety Data Sheet According to EC 1907/2006(REACH)

Measures for cleaning/collection: Absorb with liquid-binding material (sand, diatomite, universal binder, sawdust).
Use neutralizing agent
Dispose contaminated material as waste according to item 13.

7. Handling and storage

Handling:
Information for safe handling: Keep receptacles tightly sealed.
Information about fire- and explosion protection: No special measures required

Storage:
Requirements to meet by storerooms and receptacles: No special requirements
Information about storage in one common storage facility: Do not store together with acids.
Further information about storage conditions: Keep receptacle tightly sealed. Protect from frost

Storage class:
Class according to regulations on flammable liquids: Void


8. Exposure controls / Personal protection

Additional information about design of technical facilities: No further data, see item 7.

Ingredients with limit values that requires monitoring at the workplace:
The product does not contain any relevant quantities of material with critical values that have to be monitored at the workplace

Additional information: This list valid during the making were used as basic.

Personal protective equipment:
General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with eyes and skin.
Respiratory protection: Not required

Protection of hands:  protective gloves

Rubber gloves
Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:  Tightly sealed goggles

9. Physical and chemical properties

Appearance:
Colour: yellow
Form: liquid
Odour: pungent

Change in condition:
Melting point/Melting range: Undetermined
Boiling point/Boiling range: Undetermined
Flash point: n.a.
Self-ignition: Product is not self-igniting
Danger of explosion: Product does not present an explosion hazard
Density: approx. 1.29
Solubility in water, (20 °C): Fully miscible
pH-value (20 °C, 10 g / l): approx. 11.6
Viscosity (dynamic, 20 °C): 20 mPas
Solvent content:

Organic solvents: 0 %

10. Stability and reactivity

Thermal decomposition / conditions to be avoid: No decomposition if used according to specifications

Dangerous reactions: Strong exothermic reaction with acids

Dangerous decomposition products: n. a.

11. Toxicological Informations

Acute toxicity:

LD/LC50 values relevant for classification:

1312-73-2 sodium hydroxide Oral LD50: 2000 mg / kg (rat)

Primary irritant effect:

On the skin: Caustic effect on skin and mucos membranes

On the eye: Strong caustic effect

Sensitization: No sensititating effeccts known

Additional toxicological informations:

The product shoms the following dangers according to the calculation method of the General EU Classification

Guidelines for Preparations as issued in the last version:

Corrosive.

Swallowing will lead to a strong caustic effect on mouth and throat an to the danger of perforation of esophagus and stomach.

12. Ecological information

General notes: Water hazard class 1 (German regulation) (Self-assessment): slightly hazardous for water
Do mot allow product to reach ground water, water course or sewage system.

13. Disposal considerations

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage systems.

European waste catalogue: 06 03 14 solid salts ans solutions other than those mentioned in 06 03 11 and 06 03 13

Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.

Recommended cleaninbg agents: Water, if necessary witht cleaning agents.

14. Transport regulations

Land transport ADR/RID (cross border)



ADR/RID class: 8 Corrosive substances

item C 9

Danger code (Kemmler): 80

UN-No: 1760

Packing group: III

Hazard label: 8

Description of goods: 1760 Corrosive Liquid, nos

Marine transport IMDG:



IMDG class: 8
UN-No.: 1760
Label: 8
Packing group: III
EMS-No.: 8-15
MFAG: 760
Marine pollutant: No
Description of goods: 1760 Corrosive Liquid, nos

Air transport ICAO-TI and IATA DGR:



ICAO / IATA class: 8
UN / ID – Nr.: 1760
Label: 8
Packing group: III
Proper shipping name: 1760 Corrosive Liquid, nos

15. Regulatory Information

Labelling according to EC directives: The product has been classified and marked in according with EU Directives / Ordinance on Hazardous materials.

Code letter and hazard designation of product: C corrosive

Hazard-determining components of labelling: Sodium hydroxide

Risk - Phrases: 34 causes burn

Safety - Phrases: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
37/39 wear suitable gloves and eye/face protection
45 in case of accident seek medical advice immediately and show this label, if possible

National regulations: Classification according to VbF: void

Water hazard class: 1: slightly hazardous for water (Germany)

16. Other information

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.