

## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1. Product identifier:  
**RST-5 Industrial Cleaner ready mixed for usage**
- 1.2. Relevant identified uses of the mixture and uses advised against:  
Industrial Cleaner.
- 1.2. Details of the supplier of the safety data sheet:



Nordring 13  
D-65719 Hofheim  
Germany  
Tel: +49 6192 979 185  
Fax: +49 6192 979 187

- 1.3.1. Responsible person: Daan Koning  
E-mail: [dk@m-h.biz](mailto:dk@m-h.biz)

**1.4. Emergency telephone number:**

### SECTION 2: HAZARDS IDENTIFICATION

- 2.1. Classification of the mixture:  
Classification according to Regulation 1272/2008/EC (CLP):

**Not considered as hazardous mixture.**

Warning **H statements:** none.

- 2.2. Label elements:

Warning **H statements:** none.

**EUH 210** – Safety data sheet available on request.

Precautionary **P statements:** none.

- 2.3. Other hazards:  
The product has no other known specific hazards for human or environment.  
The product does not meet the criteria for PBT or vPvB substances.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1. Substance  
Not applicable.

- 3.2. Mixture:

Description	CAS number:	EU number	REACH reg. nr.	Conc. (%)	Classification: 1272/2008/EC (CLP)		
					Hazard pict.	Hazard cat.	H phrase
<b>C8-Alkylpolyglucoside /Hexyl-D-glucoside*#</b>	54549-24-5	259-217-6	01-000001614 7-72-XXXX	<0,5	-	-	-
<b>Neutralised Citric acid*</b>	77-92-9	201-069-1	01-211945702 6-42-XXXX	<0,5	-	-	-

<b>Sodium Hydroxide</b>	1310-73-2	215-185-5	01- 211945789 2-27-XXXX	<0,5	GHS05 Dgr	Skin Corr. 1A	H314
<b>Water*</b>	7732-18-5	231-791-2	-	add 100	-	-	-

\*: Substance classified by the manufacturer or substance which has no obligatory classification according to the EU regulations.

# non-ionic surfactant.

For the full text of H phrases: see Section 16.

#### SECTION 4: FIRST AID MEASURES

##### 4.1. Description of first aid measures:

General: In all cases of doubt, or when symptoms persist, seek medical attention.

##### IN CASE OF INGESTION:

Measures:

- Wash out mouth with water.

##### IN CASE OF INHALATION:

Measures:

- Not likely to occur.

##### IN CASE OF SKIN CONTACT:

Measures:

- Wash with water.

##### IN CASE OF EYE CONTACT:

Measures:

- Wash with plenty water.
- When symptoms persist, seek medical attention.

##### 4.2. Most important symptoms and effects, both acute and delayed:

No data available.

##### 4.3. Indication of any immediate medical attention and special treatment needed:

No data available.

#### SECTION 5: FIRE-FIGHTING MEASURES

##### 5.1. Extinguishing media:

##### 5.1.1. Suitable extinguishing media:

Water, foam, dry chemical powder, carbon dioxide.

##### 5.1.2. Unsuitable extinguishing media:

None known.

##### 5.2. Special hazards arising from the substance or mixture:

The product is not flammable. The formation of dangerous decomposition products greatly depends on the circumstances of the combustion. A complex mixture of airborne solid, liquid and gas substances may occur, such as carbon monoxide, carbon dioxide and unidentified organic compounds.

##### 5.3. Advise for fire fighters:

Wear full protective clothing and self-contained breathing apparatus.

The usual precautions for handling chemicals should be observed.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### 6.1. Personal precautions, protective equipment and emergency procedures:

##### 6.1.1. For non-emergency personnel:

Keep unprotected people away, allow only well trained experts wearing suitable protective clothing to abide in the field of accident.

##### 6.1.2. For emergency responders:

Avoid contact with eyes and skin.

##### 6.2. Environmental precautions:

Dispose the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

##### 6.3. Methods and material for containment and cleaning up:

Collect as much as possible in a clean container for (preferable) reuse of disposal. Absorb the remainder with e.g. vermiculite.

##### 6.4. Reference to other sections:

For further and detailed information see section 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

- 7.1. Precautions for safe handling:  
Observe conventional hygiene precautions.  
When using do not eat, drink or smoke. Avoid contact with eyes and skin.  
Technical measures:  
Ensure adequate ventilation!  
Precautions against fire and explosion:  
No specific prescription.
- 7.2. Conditions for safe storage, including any incompatibilities:  
Technical measures and storage condition:  
Store in closed containers at ambient temperatures.  
The place of storage has to be properly ventilated and cleanable.  
Store in cool and dry place.  
Follow all instructions on the label.  
Incompatible materials: none known.  
Packaging material: no specific prescription.
- 7.3. Specific end use(s):  
No specific instructions available.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters:

Occupational exposure limit values:

The components of the mixture are not regulated with exposure limit value.

DNEL		Routes of exposure	Exposure frequency:	Remarks:
Worker	Consumer			
no data available	no data available	Dermal	Short term (acute) Long term (repeated)	no data available
no data available	no data available	Inhalative	Short term (acute) Long term (repeated)	no data available
no data available	no data available	Oral	Short term (acute) Long term (repeated)	no data available

PNEC			Exposure frequency:	Remarks:
Water	Soil	Air		
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available

- 8.2. Exposure controls:  
In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.
- 8.2.1. Appropriate engineering controls:  
In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin.  
The usual precautionary for handling chemicals should be observed.
- 8.2.2. Individual protection measures, such as personal protective equipment:
1. Eye/face protection: Safety glasses recommended (EN 166).
  2. Skin protection:
    - a. Hand protection: Safety gloves recommended (EN 374).
    - b. Other: use appropriate protective clothes.
  3. Respiratory protection: No specific recommendations.
  4. Thermal hazard: none known.
- 8.2.3. Environmental exposure controls:  
No specific prescription.

**The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions an expert's advice should be sought out before deciding upon further protective measures.**

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties:

Parameter	Test method:	Remarks:
1. <b>Appearance:</b>		brown, liquid
2. <b>Odour:</b>		no data available
3. <b>Odour threshold:</b>		no data available
4. <b>pH value:</b>		no data available
5. <b>Melting point/ freezing point:</b>		approx. 0 °C (water)
6. <b>Initial boiling point/boiling range:</b>		Approx. 100 °C
7. <b>Flash point:</b>		not applicable
8. <b>Evaporation rate:</b>		no data available
9. <b>Flammability:</b>		not applicable
10. <b>Upper/lower flammability or explosive limits:</b>		no data available
11. <b>Vapour pressure:</b>		no data available
12. <b>Vapour density:</b>		no data available
13. <b>Relative density:</b>		not relevant
14. <b>Solubility(ies):</b>		soluble in water
15. <b>Partition coefficient: n-octanol/water:</b>		no data available
16. <b>Self-ignition temperature:</b>		no data available
17. <b>Degradation temperature:</b>		no data available
18. <b>Viscosity:</b>		no data available
19. <b>Explosive properties:</b>		no data available
20. <b>Oxidizing properties:</b>		no data available

### 9.2. Other information:

No data available.

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:  
None known.
- 10.2. Chemical stability:  
No decomposition if stored and handled properly.
- 10.3. Possibility of hazardous reactions:  
None known.
- 10.4. Conditions to avoid:  
None known.
- 10.5. Incompatible materials:  
None known.
- 10.6. Hazardous decomposition products:  
No typical hazardous decomposition product known.

## SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects:  
Acute toxicity: none known.  
Skin corrosion/irritation: none known.  
Serious eye damage/eye irritation: none known.  
Respiratory or skin sensitisation: none known.  
Germ cell mutagenicity: none known.  
Carcinogenicity: none known.  
Reproductive toxicity: none known.  
STOT-single exposure: none known.  
STOT-repeated exposure: none known.  
Aspiration hazard: none known.
- 11.1.1. For substances subject to registration, brief summaries of the information derived from the test conducted:  
No data available.
- 11.1.2. Relevant toxicological properties of the hazardous substances:  
No data available.
- 11.1.3. Information on likely routes of exposure:  
Ingestion, inhalation, skin contact, eye contact.

- 11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:  
No data available.
- 11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:  
No data available.
- 11.1.6. Interactive effects:  
No data available.
- 11.1.7. Absence of specific data:  
No experimental toxicological data on the preparation as such available.
- 11.1.8. Other information:  
No data available.

## SECTION 12: ECOLOGICAL INFORMATION

- 12.1. Toxicity:  
No experimental ecological data are available on the preparation as such.
- 12.2. Persistence and degradability:  
Readily biodegradable.
- 12.3. Bioaccumulation potential:  
No data available.
- 12.4. Mobility in soil:  
No data available.
- 12.5. Results of PBT and vPvB assessment:  
No data available.
- 12.6. Other adverse effects:  
No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1. Waste treatment methods:  
Disposal according to the local regulations.
- 13.1.1. Information regarding the disposal of the product:  
According to local regulations (most probably controlled incineration).  
European Waste Code:  
For this product no waste disposal key according the European Waste Catalogue (EWC) can be determined, as only the purpose of application defined by the user enables an allocation. The European waste code number has to be determined after a discussion with a specialist dealing with waste disposal.
- 13.1.2. Information regarding the disposal of the packaging:  
According to local regulations (most probably controlled incineration).
- 13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:  
None known.
- 13.1.4. Sewage disposal:  
None known.
- 13.1.5. Special precautions for any recommended waste treatment:  
No data available.

## SECTION 14: TRANSPORT INFORMATION

**Not dangerous good in sense of the transport regulations.**

- 14.1. UN Number:  
None.
- 14.2. UN proper shipping name:  
None.
- 14.3. Transport hazard class(es):  
None.
- 14.4. Packaging group:  
None.
- 14.5. Environmental hazard:  
No relevant information available.
- 14.6. Special precautions for user:  
No relevant information available.
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:  
Not applicable.

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

### 15.2. Chemical safety assessment: no information available.

## SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet:

The safety data sheet has been revised according to Regulation 453/2010/EU (Section 1-16).

The classification of the mixture have been amended according to Regulation 1272/2008/EC (CLP) and its amendments.

Full text of the abbreviations in the safety data sheet:

DNEL: Derived no effect level. PNEC: Predicted no effect concentration. CMR effects: carcinogenicity, mutagenicity and toxicity for reproduction. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent, Very Bioaccumulative. n.d.: not defined. n.a.: not applicable.

Data sources: previous version of the safety data sheet (14. 01.2013 version 1).

Relevant H-Phrases (number and full text) of Section 2 and 3:

**H314** – Causes severe skin burns and eye damage.

**EUH 210** – Safety data sheet available on request.

Training advice: no data available.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information. The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product. It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.

Safety data sheet was prepared by: ToxInfo Ltd.

Professional help regarding the explanation of the safety data sheet:  
+36 70 335 8480; [info@msds-europe.hu](mailto:info@msds-europe.hu)

Download of safety data sheet:

