

REDURAN SPECIAL

Version 2 Revision date: 01.02.2005

Print date: 09.09.2005

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product information

Product name : REDURAN SPECIAL

COMPANY : Stockhausen GmbH
Bäkerpfad 25

47805 Krefeld

Telephone : ++49-2151-38-1370

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation:

Description: : Solvent-free, special hand cleanser containing a friction agent and with non-ionic-active surfactants and colour reducing agent.

3. HAZARDS IDENTIFICATION

On contact with acids sulphur dioxide may be given off.

4. FIRST AID MEASURES

Eye contact : Rinse with much water for a prolonged time - if ill effects occur seek medical advice.

Ingestion : Seek medical advice.

5. FIRE-FIGHTING MEASURES

Specific hazards during fire fighting : In case of fire carbon monoxide, sulfur dioxide

Special protective equipment for firefighters : respiratory protection

Suitable extinguishing media : Water mist, foam, carbon dioxide, dry powder

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : Collect with absorbents. Flush small residuals with much water into the drain for subsequent biological waste effluent treatment.

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7. HANDLING AND STORAGE

Handling

Safe handling advice : Good room ventilation when working with large quantities and when hot water is added.

Storage

Requirements for storage areas and containers : Keep containers cool in case of fire.

Storage stability

Storage temperature : < 50 °C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Base : MAK
Remarks: : Not applicable.

Personal protection equipment

Hand protection : Note: Does not apply.

Eye protection : Does not apply.

Hygiene measures : Obey reasonable safety precautions and practise good housekeeping.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : suspension

Colour : beige

Odour : perfumed and slightly of sulphur dioxide

Other data

Fusing temperature : 0,00 °C

Starts to boil at : > 100,00 °C

Flash point : > 100 °C
Method: DIN 51758

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Ignition temperature	:	Not applicable.
Density	:	~ 1,23 g/cm ³ at 20,0 °C
Water solubility	:	at 20,0 °C miscible
pH	:	~ 8,7 at 100,0 g/l (20,0 °C)
Viscosity, dynamic	:	~ 27.000,0 mPa.s at 20,0 °C

10. STABILITY AND REACTIVITY

Thermal decomposition	:	Stable under usual application conditions.
Conditions to avoid	:	acids Do not heat to over 50 degrees C.
Hazardous decomposition products	:	above 60 °C slight production of sulphur dioxide

11. TOXICOLOGICAL INFORMATION

Further information	:	Based on knowledge of the properties of the components, adverse effects on human health are not to be expected in normal use.
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12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability	:	Prevent concentrated product from penetrating into waters without biological waste water treatment.
BOD	:	Method: DEV H 51 (dyn., Sapromat) BOD: 37 mg O ₂ /g at 100 mg/l
Chemical Oxygen Demand (COD)	:	149 mg O ₂ /g Method: DEV H 41 / DIN 38409 at 100 mg/l
Further information	:	Data reported in section 11 resp. 12 have been determined in the Laboratory for Toxicology and Ecology, STOCKHAUSEN GmbH, Krefeld.

13. DISPOSAL CONSIDERATIONS

Product	:	Dispose of whilst observing local legal regulations, e.g. in a suitable incineration plant.
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Contaminated packaging : Undamaged packaging may be responsibly reused after proper cleaning.

14. TRANSPORT INFORMATION

Land transport

ADR:

Not dangerous goods

RID:

Not dangerous goods

Sea transport

IMDG:

Not dangerous goods

Air transport

ICAO/IATA:

Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EEC Directive

General advice : not subject to compulsory marking

National legislation / regulations

German "Flammable Liquids" : Not applicable.
classification (VbF)

Water contaminating class : 1 slightly hazardous to water (self classification) Law of mixtures
(Annex 4 No. 3 VwVwS)

TA Luft (Germany) : Not applicable.

Other regulations : The product is subject to cosmetics regulations.

16. OTHER INFORMATION

Alterations: section 15

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Datenblatt ausstellender Bereich: LTÖ/Produktsicherheit

Contact Person: Services Krefeld/Laboratorium für Toxikologie und
Ökologie/Produktsicherheit

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