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## Material Safety Data Sheet

REDURAN

MSDS ID: SK-128

### \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Chemical Name:** REDURAN: USDA E-4 Rating

**Product Use:** Skin Cleansing

**Manufacturer Information**

Stockhausen GmbH & Co.KG

Bakerpfad 25

Krefeld, Germany 47805

Phone: ++49-2151-38-1370

Emergency # (800) 424-9300

**Distributor/Contact Information**

Stockhausen Inc.

2401 Doyle Street

Greensboro, NC 27406

Phone: (800) 242-2271

Emergency # (800) 424-9300

### \*\*\* Section 2 - Composition / Information on Ingredients \*\*\*

**Component Information/Information on Non-Hazardous Components**

This product is a cosmetic intended for personal use in the workplace and is thus regulated by FDA.  
See container label regarding proper handling and use of this product.  
Ingredients are listed in descending order of concentration on the container label.

Toxic Substances Control Act (TSCA): Exempt

Occupational Safety and Health Act (OSHA): Exempt from Hazard Communication Rule

Workplace Hazardous Materials Information System (WHIMS-Canada): Exempt-cosmetic hand cleaner

Department of Transportation (DOT): Not regulated

Suggested shipping classification: NFC #48580, sub 3, soap, NOI, Liquid, class 55.

### \*\*\* Section 3 - Hazards Identification \*\*\*

**Emergency Overview**

Eye irritant.

**Potential Health Effects: Eyes**

Eye contact: Reddening with accompanying burning sensation.

**Potential Health Effects: Skin**

None.

**Potential Health Effects: Ingestion**

Seek medical attention.

**Potential Health Effects: Inhalation**

None known.

**HMIS Ratings: Health: 1 Fire: 0 Reactivity: 1 Pers. Prot.: None required.**

**Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard**

### \*\*\* Section 4 - First Aid Measures \*\*\*

**First Aid: Eyes**

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

REDURAN

## Material Safety Data Sheet

MSDS ID: SK-128

**First Aid: Skin**

None.

**First Aid: Ingestion**

If material is swallowed, get medical attention or advice.

**First Aid: Inhalation**

### \*\*\* Section 5 - Fire Fighting Measures \*\*\*

**General Fire Hazards**

REDURAN contains water reactive sodium hydrosulfite, liberating heat when coming into contact with water.

**Upper Flammable Limit (UFL):** Not determined

**Lower Flammable Limit (LFL):** Not determined

**Method Used:** DIN 51758

**Flash Point:** >100° C

**Flammability Classification:** Not Flammable

**Auto Ignition:** Not determined

**Hazardous Combustion Products**

On thermal decomposition, oxides of carbon, sulfur and nitrogen.

**Extinguishing Media**

Dry chemical, foam, carbon dioxide.

**Fire Fighting Equipment/Instructions**

No special equipment requirements.

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

**Hazard Scale:** 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### \*\*\* Section 6 - Accidental Release Measures \*\*\*

**Containment Procedures**

Absorb spill with inert material.

**Clean-Up Procedures**

Absorb spill with inert material. Shovel material into appropriate container for disposal. Flush small residuals to the drain for normal biological wastewater treatment.

**Evacuation Procedures**

None.

**Special Procedures**

Sodium hydrosulfite component is water reactive requiring testing of REDURAN for proper disposal.

### \*\*\* Section 7 - Handling and Storage \*\*\*

**Handling Procedures**

Keep containers closed.

**Storage Procedures**

See container label for handling and storage information. Protect from freezing and excessive heat.

### \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

**Exposure Guidelines**

**A: General Product Information**

OSHA exempt: FDA regulated.

## Material Safety Data Sheet

REDURAN

MSDS ID: SK-128

### B: Component Exposure Limits

No information is available.

### Engineering Controls

None necessary.

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

Avoid eye contact.

#### Personal Protective Equipment: Skin

None.

#### Personal Protective Equipment: Respiratory

Not required for normal product end use.

#### Personal Protective Equipment: General

Obey reasonable safety precautions and practice good housekeeping.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

**Appearance:** Off white  
**Physical State:** paste  
**Vapor Pressure:** 28 mm Hg  
**Boiling Point:** ~100° C  
**Solubility (H2O):** Disperses in water  
**Evaporation Rate:** <1 (butyl acetate =1)

**Odor:** perfume fragrance  
**pH:** 9.3 @100 g/l (20°C)  
**Vapor Density:** N/E  
**Melting Point:** N/E  
**Specific Gravity:** 1.2

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

Stable under usual application conditions.

### Chemical Stability: Conditions to Avoid

Oxidizing agents

### Incompatibility

Oxidizers

### Hazardous Decomposition

None identified.

### Hazardous Polymerization

Hazardous polymerization will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute and Chronic Toxicity

#### A: General Product Information

Adverse effects on human health are not expected in normal use.

#### B: Acute Toxicity-LD50/LC50

No LD50/LC50's are available for this product's components.

### Carcinogenicity

#### A: General Product Information

Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

#### B: Component Carcinogenicity

No information is available.

### Other Toxicological Information

None.

**\*\*\* Section 12 - Ecological Information \*\*\*****Ecotoxicity****A: General Product Information**

No information available.

**B: Component Analysis - Ecotoxicity - Aquatic Toxicity**

No information available.

**Environmental Fate**

No information available.

**\*\*\* Section 13 - Disposal Considerations \*\*\*****US EPA Waste Number & Descriptions****A: General Product Information**

Controlled release of diluted product into a biological wastewater treatment plant.

**B: Component Waste Numbers**

No EPA Waste Numbers are applicable for this product's components.

**Disposal Instructions**

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

**\*\*\* Section 14 - Transportation Information \*\*\*****International Transportation Regulations**

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

**\*\*\* Section 15 - Regulatory Information \*\*\*****US Federal Regulations****A: General Product Information**

Not subject to TSCA regulation. Regulated as a personal use cosmetic by FDA.

**B: Clean Air Act**

No information is available.

**C: Component Analysis**

No information is available.

**D: Food & Drug Administration**

None of the components in this product are listed by the FDA under regulations for Direct and Indirect Food Additives.

**State Regulations****A: General Product Information**

None identified.

**B: Component Analysis - State**

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

**Component Analysis - WHMIS IDL**

No components are listed in the WHMIS IDL.

**\*\*\* Section 16 - Other Information \*\*\***

# Material Safety Data Sheet

REDURAN

MSDS ID: SK-128

## Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

## Key/Legend

Contact: Product Compliance Officer

Contact Phone: (800) 242-2271

Revision: 7/23/03 HMIS corrected.