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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.

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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.

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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 and 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.

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*** 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 ***

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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.