

# Material Safety Data Sheet

MSDS ID: SK-128A

*** <b>Section 1 - Chemical Product and Company Identification</b> ***
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Product Name: REDURAN

**Product Use:** Skin Cleansing

**Manufacturing Information**

Stockhausen GmbH & Co. KG Bakerfad 25 Krefeld, Germany 47805	Non-Emergency # ++49-2151-38-1370  <b>Emergency # (800) 424-9300 CHEMTREC (North America)</b> <b>Emergency # (703) 527-3887 CHEMTREC (International, call collect)</b>
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**Distributor/Contact Information**

Stockhausen, Inc. 2401 Doyle Street Greensboro , NC 27406	Non-Emergency # 800-242-2271  <b>Emergency # (800) 424-9300 CHEMTREC (North America)</b> <b>Emergency # (703) 527-3887 CHEMTREC (International, call collect)</b>
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**General Comments**

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving the product. All Non-emergency questions should be directed to the Toll Free, Non-Emergency number above.

*** <b>Section 2 - Hazards Identification</b> ***
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**Emergency Overview**

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.  
This product is irritating to the eyes and is considered an eye irritant.  
Reduran is a consumer product and is RCRA exempt.  
Disposal of large amounts of Reduran must be reviewed under RCRA; a component of Reduran, sodium hydrosulfite, is considered a reactant under RCRA.

**Potential Health Effects: Eyes**

This product is irritating to the eyes.

**Potential Health Effects: Skin**

None identified.

**Potential Health Effects: Ingestion**

Seek medical attention.

**Potential Health Effects: Inhalation**

No adverse effects expected with intended use as a hand cleaner.

**HMIS Ratings: Health:** 1      **Fire:** 0      **Reactivity:** 0      **Pers. Prot.:** None required.  
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

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## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component
25322-68-3	PEG-8
61791-31-9	Cocamide DEA
1332-58-7	Kaolin
7775-14-6	Sodium Hydrosulfite
102-71-6	Triethanolamine
10124-56-8	Sodium Hexametaphosphate
7732-18-5	Water
68213-23-0	Laureth-10
68140-00-1	Cocamide MEA
112945-52-5	Silica
Not Available	Fragrance

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

See container label regarding proper handling and use of this product.

Ingredients are listed in descending order of concentration both on this MSDS and on the product container label.

Not regulated by TSCA.

Not regulated by Department of Transportation (DOT).

WHIMS-Canada: Exempt - cosmetic hand cleaner

## \*\*\* 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.

### First Aid: Skin

Intended as a cosmetic hand cleaner.

### First Aid: Ingestion

If material is swallowed, get medical attention or advice.

### First Aid: Inhalation

None identified.

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

### General Fire Hazards

Not considered a fire hazard.

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

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

**Method Used:** DIN 51758

**Flash Point:** >100°C

**Flammability Classification:**

**Auto Ignition:** Not determined

### Hazardous Combustion Products

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

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## Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

## Fire Fighting Equipment/Instructions

Firefighters should wear self-contained air supplied breathing apparatus in enclosed areas or in areas of heavy smoke or fumes.

**NFPA Ratings:**

**Health:** 1

**Fire:** 0

**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 identified.

### Special Procedures

Sodium hydrosulfite component is water reactive requiring testing if large amounts of Reduran are disposed.

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

### Handling Procedures

Keep container closed. See container label for proper use.

### Storage Procedures

Protect from freezing or excessive heat to prevent component separation. See container label for handling and storage information.

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

### Exposure Guidelines

#### A: General Product Information

No particular exposure hazards known.

#### B: Component Exposure Limits during manufacturing:

##### Kaolin (1332-58-7)

OSHA: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

ACGIH: 2 mg/m3 TWA (respirable fraction, particulate matter containing no asbestos and < 1% crystalline silica)

##### Triethanolamine (102-71-6)

ACGIH: 5 mg/m3 TWA

### Engineering Controls

None necessary.

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

Avoid eye contact.

#### Personal Protective Equipment: Skin

None required.

#### Personal Protective Equipment: Respiratory

Not required for product end use.

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## Personal Protective Equipment: General

Obey reasonable safety precautions and practice good housekeeping.

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

<b>Appearance:</b> Off white	<b>Odor:</b> Perfume fragrance
<b>Physical State:</b> Paste	<b>pH:</b> 9.0 - 9.5
<b>Vapor Pressure:</b> <26 mm Hg	<b>Vapor Density:</b> Not Established
<b>Boiling Point:</b> >100°C	<b>Melting Point:</b> Not Established
<b>Solubility (H2O):</b> Disperses in water	<b>Specific Gravity:</b> 1.2 g/ml
<b>Evaporation Rate:</b> <1 (butyl acetate = 1)	<b>Flash Point:</b> >100°C

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

#### Chemical Stability

Stable under usual application conditions.

#### Chemical Stability: Conditions to Avoid

None identified.

#### Incompatibility

Strong acids, alkalis and oxidizers.

#### Hazardous Decomposition

None identified.

#### Hazardous Polymerization

Hazardous polymerization will not occur.

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

#### Acute and Chronic Toxicity

#### General Product Information

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

#### Carcinogenicity

##### A: General Product Information

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

##### B: Component Carcinogenicity

###### Kaolin (1332-58-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

###### Triethanolamine (102-71-6)

IARC: Monograph 77, 2000

###### Silica (112945-52-5)

IARC: Monograph 68, 1997 (Listed under Amorphous silica)

#### Other Toxicological Information

None.

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## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

BOD: Method: DEV H 51 (dyn., Syproamat)

BOD: 630 mg/O<sub>2</sub>/g

COD: Method: DEV H 41 / DIN 38409

COD: 1365 mg O<sub>2</sub>/g

#### Environmental Fate

No information available.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### A: General Product Information

Absorb with inert material.

#### B: Component Waste Numbers

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

#### Disposal Instructions

Contain and collect for proper disposal. Disposal of large quantities should have a RCRA review

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

## \*\*\* Section 14 - Transportation Information \*\*\*

### International Transportation Regulations

Not regulated by as a hazardous material by the United State (DOT) or Canadian (TDG) transportation regulators.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### A: Clean Air Act

No information is available.

#### B: Component Analysis

##### Sodium Hexametaphosphate (10124-56-8)

Reportable Quantity:	5000 lb final RQ (Listed under Sodium phosphate, tribasic); 2270 kg final RQ (Listed under Sodium phosphate, tribasic)
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## State Regulations

### A: General Product Information

None identified.

### B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
PEG-8	25322-68-3	No	No	No	Yes	No	No
Kaolin	1332-58-7	No	No	Yes	Yes	No	Yes
Triethanolamine	102-71-6	No	No	Yes	Yes	No	Yes
Sodium Hexametaphosphate	10124-56-8	Yes	No	Yes	No	Yes	Yes
Sodium Hydrosulfite	7775-14-6	No	No	Yes	No	Yes	Yes

### Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Triethanolamine	102-71-6	1 % (English Item 1621, French Item 1663)

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

### Other Information

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

### MSDS History

This is a newly revised MSDS removing the USDA E-4 Rating in Section 1, since that rating system is no longer used. Added the ingredient list in Section 2. In addition, Section's 2 & 3 have been revised to reflect newly proposed August, 2004 ANSI Standards format recommendation for 2007 implementation.

**Contact:** Product Compliance Officer

**Contact Phone:** (800) 242-2271

This is the end of MSDS ID: SK-128A