Material Safety Data Sheet

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

**Product Name:** REDURAN® SPECIAL

**Product Use:** Skin Cleansing

**Company Contact Information**

Evonik Stockhausen, Inc.  
2401 Doyle Street  
Greensboro, NC 27406

Non-Emergency # 800-242-2271  
Emergency # (800) 424-9300 CHEMTREC (North America)  
Emergency # (703) 527-3887 CHEMTREC (International, call collect)

**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.

**Section 2 - Hazards Identification**

**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 may cause slight irritation to the eyes. This is a consumer product and is TSCA exempt.

**Potential Health Effects: Eyes**

This product may be 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

**Section 3 - 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. For OSHA workplace hazards, investigate and read and understand component MSDS’s before manufacturing. Toxic Substances Control Act (TSCA): Exempt Workplace Hazardous Materials Information System (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.

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
None identified.

*** Section 7 - Handling and Storage ***

Handling Procedures
Keep container closed. See container label for proper use.
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Product Name: REDURAN SPECIAL

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.
For OSHA workplace hazards, investigate and read and understand component MSDS’s before manufacturing.

B: Component Exposure Limits for manufacturing workplace

<table>
<thead>
<tr>
<th>Cl 77891 (13463-67-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA: 15 mg/m³ TWA (total dust)</td>
</tr>
<tr>
<td>ACGIH: 10 mg/m³ TWA</td>
</tr>
</tbody>
</table>

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.

Personal Protective Equipment: General
Obey reasonable safety precautions and practice good housekeeping.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Off white</td>
</tr>
<tr>
<td>Physical State</td>
<td>Paste</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt;26 mm Hg</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;100°C</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Disperses in water</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt;1 (butyl acetate = 1)</td>
</tr>
<tr>
<td>Odor</td>
<td>Perfume fragrance</td>
</tr>
<tr>
<td>pH</td>
<td>9.0 – 10.0</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not Established</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not Established</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.2 g/ml</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;100°C</td>
</tr>
</tbody>
</table>

*** 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
A: 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 for manufacturing workplace
<table>
<thead>
<tr>
<th>Component</th>
<th>IARC</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica (112945-52-5)</td>
<td>Monograph 68, 1997 (Listed under Amorphous silica)</td>
<td></td>
</tr>
<tr>
<td>CI 77891 (13463-67-7)</td>
<td>A4 - Not Classifiable as a Human Carcinogen</td>
<td>Monograph 47, 1989</td>
</tr>
</tbody>
</table>

Other Toxicological Information
None.

*** Section 12 - Ecological Information ***

Ecotoxicity
A: General Product Information
No information available.

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.
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Product Name: REDURAN SPECIAL  
MSDS ID: SK-160D

B: Component Analysis
No information is available.

C: Other Information: FDA
This product is FDA regulated and use of this product in contact with direct or indirect food additives is not allowed.

State Regulations
A: General Product Information
The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>CA</th>
<th>FL</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEG-8</td>
<td>25322-68-3</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Sodium Hydrosulfite</td>
<td>7775-14-6</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Cl 77891</td>
<td>13463-67-7</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Component Analysis - WHMIS IDL
The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Minimum Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>1 %</td>
</tr>
</tbody>
</table>

Component Analysis - Inventory
All components, other than listed above are not regulated by TSCA and are WHIMS exempt.

*** 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 revised MSDS. Section’s 2 & 3 reflect Proposed August, 2004 ANSI Standards format recommendations for 2007 implementation.

Contact: Product Compliance Officer

Contact Phone: (800) 242-2271

This is the end of MSDS ID: SK-160D