

LOVESHAW

an ITW Company
ROUTE 296, BOX 83
SOUTH CANAAN, PA 18459
(570) 937-4921

MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION

Chemical Name: REDURAN SPECIAL
Chemical Formula: Not Applicable
Material Use: Cosmetic Hand Cleaner

HAZARDOUS COMPONENTS

HAZARDOUS INGREDIENT	%	TLV	CAS#
REDURAN SPECIAL has been tested with results demonstrating it to be a skin compatible cosmetic hand cleaner. Components, sodium hydrosulfite and triethanolamine are in themselves hazardous substances due to reactivity and eye irritant properties, respectively. Irritants - Eye			

REDURAN SPECIAL is a cosmetic hand cleaner intended for personal use in the workplace, regulated by FDA as a cosmetic. The ingredients are listed on each container in descending order of concentration. See container label regarding proper handling and use of this product.

T.S.C.A.: T.S.C.A. exemption (see Toxic Substances Control Act Chemical Substance Inventory, Vol. 1, Criterion 1, point 6)

O.S.H.A.: Exempt from O.S.H.A.'s Hazard Communication Rule.

H.M.I.S.: Not applicable; rating generally does not refer to cosmetic hand cleaners.

D.O.T.: Non regulated; suggested shipping classification: NFC #48580, sub 3, soap, NOI, Liquid, class 55.

CANADA: EXEMPT FROM WHMIS

PHYSICAL DATA

Appearance and Odor:	Off white paste with fragrance added.
Specific Gravity:	approximately 1.2
Vapor Pressure (mm Hg @ 20°C):	28
Vapor Density (Air = 1):	N/E
Evaporation Rate (Butyl Acetate = 1):	<1
Boiling Point:	initial 100°C
Melting Point:	N/E
Solubility in Water	Soluble and/or disperses in water

FIRE OR EXPLOSION HAZARD

Flash Point (Method Used):	Greater than 200°F (components summary)
Extinguishing Media:	Any available media
Upper Flammable Limit	N/E
Lower Flammable Limit:	N/E

SPECIAL FIRE AND EXPLOSION HAZARDS:

REDURAN SPECIAL contains water reactive sodium hydrosulfite, liberating heat in contact with water. Although not expected to ignite when in contact with water, heat, initially, will be given off.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known.

REACTIVITY DATA

Product Stability:	Stable
Conditions to Avoid:	None known

Product Incompatibility: Avoid Contact with Oxidizing Agents

Hazardous Decomposition or Byproducts: On thermal decomposition, oxides of carbon, sulphur and nitrogen.

Hazardous Polymerization: will not occur

HEALTH HAZARD DATA

Symptoms of Overexposure for Each Potential Route of Entry:

INHALATION: No
SKIN CONTACT: No
EYE CONTACT: Contact with eyes will cause irritation. Components, triethanolamine and sodium hydro sulfite, are eye irritants. Follow instructions on container for proper handling and use. Reddening with accompanying burning sensation.
INGESTION: No
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Existing cuts, rashes, allergies or other sensitive areas may cause irritation.

PREVENTIVE MEASURES

Spill of Leak Response: Contain, collect for disposal.
Waste Disposal: Flush normal intended use quantities to the drain. Large quantities; dispose in accordance with Municipal, State, and Federal Regulations. Sodium hydrosulfite component is water reactive requiring testing of REDURAN SPECIAL for proper disposal.
Handling Procedure & Equipment: Handle in a Manner so as to Avoid Eye Contact.
Storage Requirements: Protect from freezing and excessive heat.

FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. Follow instructions for proper handling and use of this product.

SPECIAL NOTICE

All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources, however, LOVESHAW makes no warranty, representation, or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the users responsibility to determine the safety, toxicity and suitability of his own use, handling, and disposal of the product. Additional product literature may be available upon request. Since actual use by others is beyond our control, no warranty, express or implied, is made by LOVESHAW as to the effects of such use, the results to be obtained or the safety and toxicity of the product, nor does LOVESHAW assume any liability arising out of use by others of the product referred to herein. The data in the Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.