

MATERIAL SAFETY DATA SHEET

1 Identification of substance:

- Product details: ALCOHOLIC HAND RUB
 - Trade name: **STERILEX**
 - Application of the substance / the preparation Hand Rub
 - **Manufacturer:**
BECTA LABORATORIES
7105/1, G.I.D.C. Sachin. Surat, Gujarat. India. 394230
Tel.: + 91-261-2398719
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2 Composition

- Chemical characterization
 - Description: Mixture of the substances listed below with harmless additions.
 - Dangerous components:
Chlorhexidine Gluconate Solution IP (CAS 18472-51-0) 2.5%v/v
(Equiv. to 0.5% w/v Chlorhexidine Gluconate)
Ethanol IP (CAS 64-17-5) 70% v/v
(Denatured with Acetone 0.5%)
Colour: Carmoisine
D.M. Water q.s.
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3 Hazards identification

- Hazard designation: Irritant
 - Information pertaining to particular dangers for man and environment
R 10 Flammable.
R 41 Risk of serious damage to eyes.
R 67 Vapours may cause drowsiness and dizziness.
 - Classification system
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
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4 First aid measures

- After inhalation Supply fresh air.
 - After eye contact Rinse opened eye for several minutes under running water. Then consult doctor.
 - After swallowing
Rinse out mouth and then drink plenty of water.
In case of persistent symptoms consult doctor.
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5 Firefighting measures

- Suitable extinguishing agents
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
 - Protective equipment: No special measures required.
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6 Accidental release measures

- Person-related safety precautions:
Ensure adequate ventilation
Keep away from ignition sources
 - Measures for environmental protection: Dilute with much water.
 - Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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7 Handling and storage

- Handling
 - Information for safe handling:
No special precautions necessary if used correctly.
Keep away from heat and direct sunlight.
 - Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
 - Storage
 - Requirements to be met by storerooms and containers: No special requirements.
 - Information about storage in one common storage facility: Not required.
 - Further information about storage conditions: Keep container tightly sealed.
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8 Exposure controls and personal protection

- Additional information about design of technical systems: No further data; see item 7.
 - Components with critical values that require monitoring at the workplace:
 - Additional information: The lists that were valid during the compilation were used as basis.
 - Personal protective equipment
 - General protective and hygienic measures
The usual precautionary measures should be adhered to in handling the chemicals.
 - Breathing equipment: Not necessary if room is well-ventilated.
 - Eye protection: Safety glasses recommended during refilling.
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9 Physical and chemical properties:

General Information

- Form: fluid
- Color: Pink
- Smell: pleasant
- Change in condition
- Melting point/Melting range: not determined
- Boiling point/Boiling range: 80 - 90* Celsius
- Flash point: 35* Celsius by cup method
- Self-inflammability: product is not selfigniting
- UN standard : 1170
- Product shipping name : Alcoholic Handrub

- Density at 20°C 0.89 g/cm³
- Solubility in / Miscibility with Water: fully miscible

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
 - Dangerous reactions No dangerous reactions known.
 - Dangerous products of composition: No dangerous decomposition products known.
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11 Toxicological information

- Acute toxicity:
- LD/LC50 values that are relevant for classification:
STERICARE (14 days observation)
- Primary irritant effect:
 - on the skin: No irritant effect.
 - on the eye: Strong irritant with the danger of severe eye injury.
- Sensitization: No sensitizing effect known.
- Additional toxicological information:

Classification Guidelines for Preparations as issued in the latest version: Irritant

12 Ecological information:

- Information about elimination (persistence and degradability):
 - Other information: The product is easily biodegradable.
 - Additional ecological information: -
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13 Disposal considerations

- Product: Sterilex
 - Recommendation
Must not be disposed of together with household garbage. Do not allow product to reach sewage system
Must be specially treated under adherence to official regulations.
 - Uncleaned packagings:
 - Recommendation:
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
 - Recommended cleaning agent: Water, if necessary with cleaning agent.
 - Land transport (Domestic)
Keep away from fire and light.
(F1) Flammable liquids.
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14 Transport information

ADG (Road/ Rail/ Sea/ Air)	
UN Number	1170
Proper Shipping Name	Alcoholic Hand rub (Brand - Sterilex)
Dangerous Goods Class	3
Subsidiary Risk	Non Allocated
Packing Group	II
IMDG Special Instruction	Marine Pollutant, Alcoholic disinfectant

15 Regulatory information

· Designation according to FDA guidelines:

As a drug / cosmetic preparation, the product is not subject to the provisions of the Chemical Law and the Ordinance on Hazardous Materials. However, normal safety regulations should be observed.

Drug: Marking of hazardous material is voluntary.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Highly flammable.

Harmful if swallowed.

Causes burns.

Irritating to eyes.

Risk of serious damage to eyes.

Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Vapours may cause drowsiness and dizziness.