

GLOBAL SPIRITS LIMITED

MATERIAL SAFETY DATA SHEET FOR ALCOHOL BASED HAND RUB

Section 1 – Chemical Product

Product Name: Alcohol Based Hand Rub **Synonyms:** Alcohol Based Hand Rub/ Sanitizer
Product Uses : As Sanitizer outer body parts avoiding eyes.
Manufacturer Information : Globus Spirits Limited, A-46, New Friends Colony, New Delhi, India
Emergency Contact Details : +919810716500; + 919871063768

Section 2 – Hazard Identification

Classification of the Mixture : Flammable Liquid Category 3
: Serious Eye Damage/ Irritation Category 2A
Emergency Overview : Hazardous
Single Word Hazard Statement: WARNING, Flammable Liquid & Vapor, Can Cause serious Eye Irritation.
Appearance : Originally Colorless liquid
Target Organs : Outer Body Parts avoiding Eye contact, Inhalation or Ingestion/ For External Use Only.

Precautionary Statements:

General : Read Label before Use. Keep out of reach of Children. If medical advice is needed keep product container/ Label handy.
Prevention : Use protective gloves, eye or face protective wears. Keep away from hot surfaces, sparks, open flames and other ignition sources. No Smoking. Use explosion proof electrical, ventilating, lightings and all other material handling equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Keep container tightly closed.
Response : See section 4, First Aid Measures for response related to Health Effects.
Storage : Store in a well ventilated place at room temperature.
Disposal : See section 13, Disposal Considerations for disposal.

Section 3 – Composition & Ingredient Information

Substance/ Mixture : Mixture

Ingredient Name	Concentration (% v/v)	CAS No.
Ethanol 96 %	70% Min.	64-17-5
Hydrogen Peroxide (H ₂ O ₂) 3%	0.125 %	7722-84-1
Glycerol 98%	1.45 %	58-81-5
Distilled /Purified Water	28.5% Max.	7732-18-5

Section 4 – First Aid Measures

Potential Health Effects:

Eye : If substance has gotten into eyes, immediately wash out with plenty of water for at least 15 minutes Irrigate eyes thoroughly while lifting eyelids Seek medical advice if necessary.
Skin : Remove contaminated clothing. Wash affected area with plenty of soap and water if skin irritation or rash occurs: Get medical advice/attention. Contaminated clothing should be laundered before reuse.
Ingestion : Rinse mouth with water. If medical advice is needed, have product container or label at hand. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material is swallowed and the person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed by medical expert. If vomiting occurs the head should be low, so that vomit does not enters the lungs. Get medical attention if adverse health effects persists or are severe. Never give anything by mouth to the unconscious person. If unconscious, place in recovery position and get medical attention

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immediately. Maintain an open airway. Loosen tight clothes such as a tie, collar, belt or a waistband.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or if there is no breathing or if respiratory arrest occurs provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person to give mouth-to-mouth resuscitation. Seek immediate medical attention if adverse health persists or are serious. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothes such as a tie, collar, belt or a waistband.

Notes to Physician: Treat Symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5 – Firefighting Measures

General Information : Flammable Liquid. Promptly isolate the scene by removing all persons from the vicinity of the incident in case of a fire. No action shall be taken involving any personal risk or without suitable training. Move container from the fire area if this can be done without any risk. Use water spray to keep the fire exposed containers cool. Fire fighters shall wear appropriate protective equipment & self-contained breathing apparatus (SCBA) with a full face piece. Operated in a positive pressure mode

Extinguishing Media : Use dry chemical, CO₂, Spray (Fog) of Water or Foam. Do not use straight streams/ jets of water.

Section 6 – Accidental Release Measures

Personal Precautions : Shut off all sources of ignition, ventilate spill area. Wear suitable protective clothing, gloves, and eye protection. Use proper protective equipment as indicated in section 8.

Environmental Precautions: Prevent dispersal of material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused the Environmental Pollution (Sewers, waterways, air or soil).

For Personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected persons from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in the hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate protective equipment.

Material & Methods for Contaminant & Cleaning up:

Small Spills : Stop leak if without risk. Move containers from spill area. Use spark proof tools & explosion proof equipment. Dilute with water or soap.

Large Spills : Stop leak if without risk. Move containers from spill area. Use spark proof tools & explosion proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basement or confined areas. Wash spillages into any effluent treatment plant or proceed as follows. Contain & collect the material with the spillage with non- combustible absorbent material e.g. sand, earth, vermiculite or diatomaceous earth & place in container for disposal according to local regulations. As the contaminated absorbent may pose the same threat as the spilt product.

Section 7 – Handling & Storage

Handling : Protect against physical damage. Ensure good ventilation / exhaust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Eating, drinking and smoking shall be prohibited in the areas where this product is handled or stored or processed. Workers should wash hands & face before eating drinking

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and smoking. Remove contaminated clothing & protective equipment before entering in eating areas.

Storage : Store in accordance with local regulation. Store in a segregated & approved area. Store in a closed container protected from direct sunlight in a dry, cool & well ventilated area away from incompatible materials and food & drink at room temperature. Eliminate all ignition sources. Keep separate from oxidizing Materials. Do not store in unlabeled containers. Open containers must be kept upright to prevent leakage. Store appropriately so as to avoid environmental contamination.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contamination below recommended or regulatory requirements. Engineering controls also need to ensure gas, vapor or dust concentrations below or any lower explosive limit. Use explosion proof ventilation equipment.

Personal Protective Equipment:

Respiratory Protection : Based on the hazard & potential for exposure, select a respirator that meets the appropriate standard for certification requirements. Respirators must be used according to a respiratory protection program to ensure fitting, training & other aspects of use.

Eye/ Face Protection : Safety eye wear complying with an approved standard or certification shall be used when indicated by risk analysis that this is necessary to avoid liquid splashes, mist gases or dust. If contact is possible following shall be worn, unless the assessment indicates the higher degree of protection.

Body Protection : PPE's for the body should be selected based on the task being performed and the risk involved should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For greatest protection from static discharges, clothing should include anti-static overalls, boots & gloves.

Other Skin Protection : Appropriate foot wear & other protective measures should be selected based on the task being performed & risk involved & should be approved by a specialist before handling this product.

Section 9 – Physical and Chemical Properties

Physical State	: Clear Liquid	Upper Exposive Limits	: Not Available
Appearance	: Brilliant Blue	Vapor Pressure	: 5-6 kPa (room temp.)
Odor	: Mild, Pleasant	Vapor Density	: Not Available
pH	: 6.2 – 6.5	Density	: 0.85 – 0.90
Melting Point	: Not Available	Solubility	: Highly soluble in water
Boiling Point	: less than 100°C	Auto Ingition Temperature	: Not less than 360°C
Evaporation Rate	: Not Available	Residue on evaporation	: 1.10 – 1.25 %
Flash Point	: 14°C	Decomposition Temperature	: Not Available
Lower Explosive limits	: Not Available	Flow Time	: Not Available

Section 10 – Stability and Reactivity

Stability & Reactivity : Stable under recommended storage condition. No specific data related to the reactivity of this product or its ingredients.

Possibility of Hazardous Reaction : Under normal condition of storage of use, hazardous reaction will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut weld, braze, solder, drill, grind or expose container to source of heat or ignition. Reactive incompatible material.

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Hazardous Decomposition Products : Carbon Monoxide, Carbon Dioxide, toxic fumes & gases. Under recommended condition of storage should not decompose.

Hazardous Polymerization : Under recommended storage conditions will not occur.

Section 11 – Toxicological Information

RTECS: Not Available	Eyes : May cause serious eye irritation.
LD 50 : Inhalation Vapor	Mutagenicity : No information available.
LC 50 : Oral	Carcinogenicity: No information available
Skin : No irritation to skin, Information based on the WHO guidelines.	Teratogenicity : No information available

Potential Acute health effects:

Eye Contact: Causes serious eye irritation.

Inhalation/ Skin/ Ingestion: No known significant effects or critical health hazards

Section 12 – Ecological Information

Eco toxicity Tests : No ecological effects have been investigated, but currently none have been identified.

Persistence & Degradability : Not available.

Mobility in Soil : Not Available.

Bio accumulative Potential : Low Potential.





Other Adverse Effects : Not available

Section 13 – Disposal Consideration

Waste Disposal Method : The generation of wastes shall be minimized whenever possible. Dispose in accordance with all applicable National, state, and local environmental regulations. Keep waste separate. Contact a licensed professional waste disposal service to dispose of this material if questions arise. Waste shall not be disposed of in sewer untreated unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging shall be recycled. Incineration or land fill shall only be considered when recycling is not feasible. The disposal of the container & material shall be done in a safe way. Care shall be taken while handling the emptied container when they are not rinsed. Vapor from product may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind the used container = unless they have been thoroughly cleaned from inside.

Container Information : Do not remove labels from containers until they have been cleaned.

Section 14 – Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
ADR/RID Class	UN1193	FLAMMABLE LIQUID, N.O.S.	3	III	
ADN/ADNR Class	UN1193	FLAMMABLE LIQUID, N.O.S.	3	III	
IMDG Class	UN1193	FLAMMABLE LIQUID, N.O.S.	3	III	
IATA Class	UN1193	FLAMMABLE LIQUID, N.O.S.	3	III	

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Section 15 – Regulatory Information

EU Regulations: Contains No REACH substance.

National Regulations: No information available

Section 16 – Additional Information

The information above is believed to be accurate and represents best information currently available to us. Globus Spirits holds no responsibility for personal injury or property damage to vendors, users or third parties caused by this product. Such vendors or third parties shall assume all risks associated with the use of this product.