



M/S NAGINDAS HIRALAL BHAYANI

MATERIAL SAFETY DATA SHEET

MSDS

CORORID HAND SANITIZER

1 PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:**CORORID HAND SANITIZER**World Health Organization Hand Sanitizer
Formula (IPA-based)**Company Name:****M/s. Nagindas Hiralal Bhayani****2801/3, GIDC Panoli, Taluk Ankleshwar,
Bharuch, Gujarat, India – 394116**

Isopropyl Alcohol + Hydrogen Peroxide Hand Sanitizing Solution With Glycerol As Emollient

2 COMPOSITION/INGREDIENT INFORMATION

Composition:

Isopropyl Alcohol IP	75 % v/v
Glycerol	1.45 % v/v
Hydrogen Peroxide	0.125 % v/v
Purified Water	Q.S
Colour: Brilliant Blue	

3 HAZARDS IDENTIFICATION

NOTE:

- DANGEROUS GOODS.
- NON-HAZARDOUS SUBSTANCE.
- POISONS SCHEDULE
- NONE ALLOCATED



Information pertaining to particular dangers for man and environment

Flammable.

Risk of serious damage to eyes.

Vapors may cause drowsiness and dizziness.

Use Only as directed on label**For External use only-do not purposely inhale or drink****Use in a well-ventilated area****Keep container tightly closed.**

4 FIRST AID MEASURES

Avoid eye contact. Discontinue use and consult a doctor if irritation and redness develop and persist for more than 72 hours.

IF SWALLOWED:

The liquid may cause acute discomfort and is harmful if swallowed in large quantity and may cause Dizziness, disorientation, mental confusion, slurred speech. Ingestion of the liquid may result in nausea, abdominal irritation, pain and vomiting- Contact a poison Control Center.

EYE CONTACT:



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The liquid may cause severe irritation to the eye causing pronounced inflammation. Repeated or Prolonged exposure may produce conjunctivitis- Rinse thoroughly with water several times-Get medical advice/attention.

SKIN CONTACT:

The liquid may cause skin irritation after prolonged or repeated exposure. It may produce skin redness, Swelling, production of vesicles, scaling and thickening of the skin on contact. It is not considered to be an irritant through normal use.

IF INHALED:

The vapor may cause discomfort. Hazard due to inhalation is increased at higher temperatures. Inhalation of higher concentrations of the vapor causes lung irritation with coughing and nausea, central nervous depression with headache and dizziness, slowing of reflexes, fatigue and loss of coordination with dizziness, disorientation and slurring of speech- Contact a poison Control Center.

5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, water spray, alcohol resistance foam

FIRE FIGHTING PROCEDURES:

- Wear breathing apparatus plus protective gloves.
- If safe, switch off electrical equipment until vapour fire hazard removed.
- Use water delivered as a fine spray to control fire and cool adjacent area.
- Avoid spraying water onto liquid pools.
- DO NOT approach containers suspected to be hot.
- Cool fire exposed containers with water spray from a protected location.
- If safe to do so, remove containers from path of fire.

FIRE FIGHTING PROCEDURES:

- Liquid and vapour are flammable.
- Moderate fire hazard when exposed to heat or flame.
- Vapour forms an explosive mixture with air.
- Moderate explosion hazard when exposed to heat or flame.
- Vapour may travel a considerable distance to source of ignition.
- Heating may cause expansion or decomposition leading to violent rupture of containers.
- On combustion, may emit toxic fumes of carbon monoxide (CO)
- Decomposition products include chloroaniline.

COMBUSTION PRODUCTS FROM FIRE:

Carbon Monoxide

Carbon Dioxide

6 ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

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PHARMA UNIT



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Person-related safety precautions:

Ensure adequate ventilation
Keep away from ignition sources

Measures for environmental protection:

Do not allow product to reach sewage system or water bodies.
Dilute with much water.

SPILL RESPONSE:

Minor Spills

- Remove all ignition sources.
- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Control personal contact by using protective equipment.
- Contain and absorb small quantities with vermiculite or other absorbent material.
- Wipe up.
- Collect residues in a flammable waste container.

Major Spills:

- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.
- May be violently or explosively reactive.
- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water course.
- No smoking, naked lights or ignition sources.
- Increase ventilation.
- Stop leak if safe to do so.
- Water spray or fog may be used to disperse / absorb vapour.
- Contain spill with sand, earth or vermiculite.
- Use only spark-free shovels and explosion proof equipment.
- Collect recoverable product into labelled containers for recycling.
- Absorb remaining product with sand, earth or vermiculite.
- Collect solid residues and seal in labelled drums for disposal.
- Wash area and prevent runoff into drains.
- If contamination of drains or waterways occurs, advise emergency services.

7 HANDLING AND STORAGE

Precautions for Safe Handling:

- Wear protective clothing when risk of overexposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.
- DO NOT enter confined spaces until atmosphere has been checked.



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- Avoid smoking, naked lights or ignition sources.
- Avoid generation of static electricity.
- DO NOT use plastic buckets.
- Earth all lines and equipment.
- Use spark-free tools when handling.
- Avoid contact with incompatible materials.
- When handling, DO NOT eat, drink or smoke.
- Keep containers securely sealed when not in use.
- Avoid physical damage to containers.
- Always wash hands with soap and water after handling.
- Work clothes should be laundered separately.
- Use good occupational work practice.
- Observe manufacturer's storing and handling recommendations.
- Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions.

Conditions for Safe Storage:

- Packing as supplied by manufacturer.
- Plastic containers may only be used if approved for flammable liquid.
- Check that containers are clearly labelled and free from leaks.
- Avoid storage with oxidizers strong alkalis and strong acids.
- Store in original containers in approved flame-proof area.
- No smoking, naked lights, heat or ignition sources.
- DO NOT store in pits, depressions, basements or areas where vapors may be trapped.
- Keep containers securely sealed.
- Store away from incompatible materials in a cool, dry well-ventilated area.
- Protect containers against physical damage and check regularly for leaks.
- Observe manufacturer's storing and handling recommendations.
- Keep cool. Store below 25 °C.

EXPLOSION AVOIDANCE

Flammable liquid and vapour. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

Components with critical values that require monitoring at the workplace:

Iso Propyl Alcohol: 67-63-0

ACGIH Threshold Limit Value (TWA) = 200 ppm TWA

NIOSH = 400 ppm TWA; 980 mg/m³ TWA 2000 ppm IDLH

OSHA – Final PELs = 400 ppm TWA; 980 mg/m³ TWA



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Glycerine: 56-81-5

OSHA – Final PELs = 15 mg/m³ mist Total Particulate

Hydrogen Peroxide: 7722-84-1

ACGIH Threshold Limit Value (TWA) = 1 ppm TWA

NIOSH = 75 ppm TWA; 1.4 mg/m³ TWA 75 ppm IDLH

OSHA – Final PELs = 1 ppm TWA; 1.4 mg/m³ TWA

Additional information:

The lists that were valid during the compilation were used as basis.

Special Information:

Exposure/Protection

The extent to which the following recommendations for exposure control and protection are observed should depend on the risk assessment undertaken for the specific conditions under which this product is used, including occupational hygiene measurements.

Recommended Ventilation:

Use in a well-ventilated area.

Eye Protection:

Avoid eye contact with vapour, spray, or mist.

Hand Protection:

Not applicable.

Respiratory Protection:

Avoid breathing vapors, mists or spray.

Prevention of Accidental Ingestion:

Do not ingest. Do not eat, drink or smoke when using this product.

9 PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Appearance	: Clear Solution
Colour	: Blue Colour Liquid
Odour	: Characteristic
Density	: Between 0.860 g/ml to 0.890 g/ml

Change in condition:

Flash Point	: Not Available
Boiling Point	: 82.5 °C
Solubility	: 100% in water
Vapor Density	: Not Available
Vapor Pressure	: Not Available



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10 STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications -based on information available

Dangerous reactions: Stable under normal condition

Condition to avoid: Heat, flam and spark.

Incompatible materials: Acid, strong oxidizing agents, isocyanates, chlorine.

11 TOXICOLOGICAL INFORMATION

LD/LC50 values that are relevant for classification:

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m ³ (Rat) 4 h
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Glycerin 56-81-5	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h
Hydrogen peroxide 7722-84-1	= 1518 mg/kg (Rat)	= 9200 mg/kg (Rabbit)	= 2000 mg/m ³ (Rat) 4 h

The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, and the production of vesicles, scaling and thickening of the skin.

12 ECOLOGICAL INFORMATION

Information about elimination (persistence and degradability):

DO NOT discharge into sewer or waterways.

Refer to data for ingredients, which follows:

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Isopropyl alcohol 67-63-0	EC50: >1000mg/L (96h, Desmodesmus subspicatus) EC50: >1000mg/L (72h, Desmodesmus subspicatus)	LC50: =9640mg/L (96h, Pimephales promelas) LC50: =11130mg/L (96h, Pimephales promelas) LC50: >1400000µg/L (96h, Lepomis macrochirus)	-	EC50: =13299mg/L (48h, Daphnia magna)
Glycerin 56-81-5	-	LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)	-	-
Hydrogen peroxide 7722-84-1	-	LC50: 18 - 56mg/L (96h, Lepomis macrochirus) LC50: =16.4mg/L (96h, Pimephales promelas) LC50: 10.0 - 32.0mg/L (96h, Oncorhynchus mykiss)	-	EC50: 18 - 32mg/L (48h, Daphnia magna)

Persistence and Degradability: No information Available.



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13 DISPOSAL CONSIDERATIONS

- Consult manufacturer for recycling options and recycle where possible.
- Consult State Land Waste Management Authority for disposal.
- Incinerate residue at an approved site.
- Recycle containers if possible, or dispose of in an authorized landfill.

14 TRANSPORT INFORMATION

Labels Required: FLAMMABLE LIQUID

HAZCHEM: 2[Y]

UNDG:

Dangerous Goods 3 Sub risk: None

Class:

UN Number: 1219 Packing Group: III

Shipping Name: Isopropyl alcohol solution

Air Transport IATA:

ICAO/IATA Class: 3 ICAO/IATA Sub risk: None

UN/ID Number: 1219 Packing Group: III

Special provisions: A180

Shipping Name: Isopropyl alcohol solution

Maritime Transport IMDG:

IMDG Class: 3 IMDG Sub risk: None

UN Number: UN1219 Packing Group: III

EMS Number: F- E, S- D

Limited Quantities: 5 L

Shipping Name: Isopropyl alcohol solution

15 REGULATORY INFORMATION

Designation according to EC 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.

Risk phrases:

Flammable.

Risk of serious damages to eyes.

Vapors may cause drowsiness and dizziness.

Safety phrases:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed, seek medical advice immediately and show container or label.



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16 ADDITIONAL INFORMATION

Relevant R-phrases:

Highly flammable
Harmful if swallowed
Irritating to eyes.
Risk of serious damage to eyes.

The information provided in this 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 a 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.

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END OF DATA SHEET