

MATERIAL SAFETY DATA SHEET

1 Identification of substance:

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

Isopropyl Alcohol I.P.	(CAS 67-63-0)	68% - 72% v/v
Purified Water		q.s
Gelling agent		q.s.
Emollient & moisturizer		

3 Hazards identification

- Hazard designation: Irritant

RISK PHRASE (S)

- R36 Irritating to eyes

SAFETY PHRASE (S)

- S2 Keep out of the reach of children.
- S16 Keep away from heat.
- S25 Avoid contact with eyes.

- 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.

4 First aid measures

Eye Contact	:	Wash eyes immediately with large amount of water. If irritation Persists, contact a doctor.
Skin Contact	:	Wash off with warm water and soap. If irritation occurs and persists, Contact a doctor.
Inhalation	:	Remove to fresh air. If breathing difficulties are experienced, seek Medical attention
Ingestion	:	Give 2 glasses of water to drink. Contact a doctor or a Poison Information Centre.
Advice to Doctor	:	Treat symptomatically.

5 Firefighting measures+

Specific Dangers	:	Since in gel and aqueous form not high flammable
Flammability	:	N.A.

Extinguisher Type : Foam, carbon dioxide, dry powder. Use water spray to Cool fire only
Hazchem code : N.A.

6 Accidental release measures

MEASURES Emergency and Evacuation

Procedures : Keep area well ventilated.
Remove all sources of ignition and avoid generating sparks or static Discharge.

Minor Spills : Mop up spill and wash area with water and detergent.

Major Spills : Contain spill. Collect product using a suitable absorbent material Such as vermiculite. Shovel material into clean, dry, labeled Containers and close lids. Do not allow product to enter waterways.

7 Handling and storage

Handling : Product is regulated as a Class 3 DG when handled in quantities exceeding 300mL. Handle accordingly.

Storage : Product is regulated as a Class 3 DG when stored in quantities exceeding 300mL. Store accordingly.
Store below 30 °C.
Keep away from fire or flame.

8 Exposure controls and personal protection

Ingredient	CAS No.	TWA Ppm mg/m3	
Isopropyl Alcohol I.P.	67-63-0	980	1225

9 Physical and chemical properties:

Physical State : Gel
Appearance : Clear
Colour Original : Colourless/water white
Boiling Point : 76°C - 80° C
Vapour Pressure : 5.7 kPa @ 20°C
Specific Gravity : 0.87-0.90 @ 25°C
pH : 6.5 - 8.0 @ 25°C
Flash point C : 45 C
Solubility in Water : Soluble
Viscosity : 4,000 - 8,000 cps @ 25 C (Brookfield RV Spindle #6 @ 20 rpm)

10 Stability and reactivity

- Stability** : Stable under normal use conditions.
- Dangerous Reactions** : May develop static charge when poured and ignite vapours.
- Decomposition Products** : Products may include oxides of carbon.
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11 Toxicological information

- Product Toxicity** The toxicity of this product has not been determined
- Component Toxicity** The hazard identifications in Section 2 were derived from the known effects of the individual ingredients and their concentrations in the product.

Summary of Product Toxicity Effects

Acute Effect (s)

- Eye** Will cause irritation to eyes.
- Skin** May cause irritation to the skin with repeated /prolonged contact.
- Inhaled** Mists/vapours may cause irritation to the upper respiratory tract and may cause depression of the central nervous system .
- Swallowed** May cause irritation to the upper gastrointestinal tract.
- Chronic Effect (s)** the chronic toxicity of this product has not been determined.
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12 Ecological information:

- Product Eco toxicity** the Eco toxicity of this product has not been determined.
- Component Eco toxicity** based on component Eco toxicity data the product is not an environmental hazard.
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13 Disposal considerations

- Disposal Method** Product should be treated according to the instructions given under sections 6, 7 and 8 above.
- Dispose of according to Local, State and Federal regulations. Contact relevant authority for details.
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14 Transport information

- ADG (Road/ Rail/ Sea/ Air)
UN Number 1219

Proper Shipping Name	Hand Sanitizer (Brand – Hi-kleen)
Dangerous Goods Class	3
Subsidiary Risk	Non Allocated
Packing Group	III
IMDG Special Instruction	Marine Pollutant, Hand Sanitizer

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.