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CLEANING TECHNOLOGY

Material Safety Data Sheet

Product Name: Hand Sanitizer Gel 70%

Document Number: MSDS

Company Details

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Hand & Surface Sanitizer 70%

General

Hand Sanitizer Gel ensures immediate sterilization of the hands; it dries quickly and does not leave a sticky layer. It is used to supplement routine hand washing and drying. It is ideal for use before handling foodstuffs or patients where absolute cleanliness is essential.

Formulation

PRODUCT DESCRIPTION

<u>Test</u>	<u>Unit</u>	<u>Specification</u>
Appearance		Clear liquid
Density	g/cm ³	0.90 – 0.94
pH		8.0 – 9.0

Properties

- Kills up to 99.9% of most disease-causing micro-organisms within 60 seconds
- Leaves no residual fragrance or harmful residue
- Provides a pleasant after-feel on the hands leaving skin smooth and silky
- Non sticky, non-greasy

APPLICATION

Rub Hand Sanitizer Gel onto the hands and spread around the skin with a washing action until dry. Do not wipe off but allow the formulation time to evaporate and to kill surface bacteria. Allow application duration of approximately one minute.

Product Identification

Trade Name	Gel Hand Sanitizer
Chemical Family	Alcohol, Glycol & Skin Conditioner
Chemical Name	Formulated chemical
Product Use	Hand Sanitizing



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Appearance	Clear Gel
Odour	
UN. No.	3082 (Miscellaneous substances)

Hazards Identification

Main Hazard	Irritant in contact with eyes
Fire	Flammable
Inhalation	Avoid Excessive inhalation of vapours
Skin Contact	No ill effect. Use as recommended
Eye Contact	May irritate the eyes
Symptoms of Ingestion	May cause initial inebriation

First Aid Measures

Inhalation:	Move patient to fresh air.
Skin contact:	No ill effect. Use as recommended
Eye contact:	Flush eyes with water for at least 15 minutes.
Ingestion:	Allow patient as much water as possible. Allow to rest in well ventilated area

Handling and Storage:

Suitable Material:	Plastic Drum or Bucket
Handling / Storage precessions:	Cool Place

Exposure Controls / Personal Protection:

Occupational Exposure Limits:	N/A
Engineering Control Measures:	N/A
Personal Protection Respiratory:	N/A
Personal Protection Hands:	CHEMICAL RESISTANT GLOVES
Personal Protection Eyes:	SAFETY GOGGLES
Personal Protection Skin:	OVERALLS
Other Protection:	N/A

Physical & Chemical Properties

Vapour Pressure	Not Known
Density	0.90 – 0.94 g/cm ³
Non Volatile	22.0 – 29.0 %m/m
Neurotoxicity	None



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Stability & Reactivity

Stability	Stable under normal conditions
Incompatible Materials	Oxidizing Agents
Hazardous Decomposition Products	N/A
Conditions to Avoid	N/A

Toxicological Information

Acute Toxicity	Acute oral: 3600 mg/kg, mouse.
Skin & Eye Contact	Irritant
Chronic Toxicity	Nil
Carcinogenicity	Nil
Mutagenicity	Nil
Reproduction Hazards	Nil

Ecological Information

Aquatic Toxicity:	Trout: LC50 = 13000 mg/l/96 hr Fathead minnow: LC50 = 15300 mg/l/96 hr
Biodegradability	Possible hazardous degradation products are not likely

Transport Information

UN No.	H005
Product Identity	Hand & Surface Sanitizer 70%
ADR/RID Class	N/A
Packaging Group	III
Marine Pollutant	No
IMDG Class	N/a

Regulatory Information

EEC-Hazard Classification	None
Risk Phrases	R36
Safety Phrases	S2, S7, S16, S36/39

Disposal Considerations

Dispose of at waste disposable company that complies with local and national legislation. Do not discharge to effluent.	
Disposal of Packaging	Recycle containers



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Fire Fighting Measures

Product is flammable. Use extinguishing agents suitable for surrounding fire.

Self-contained breathing apparatus or equivalent should be utilized should there be fire in surrounding area.

Accidental Release Measures

As per good environmental management practices, prevent contamination of watercourses or ground with large quantities of undiluted product.	
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Small Spill	Dilute with water and run to waste with large quantities of water
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Large Spill	Prevent entry into sewers, dike ahead of spill. Remove excess with absorbent material And flush residue with lots of water
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