

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY INFORMATION

Product name: Hand Sanitizer
Manufacturer:
Address:

2. HAZARDS IDENTIFICATION

Emergency Overview

Avoid contact with eyes. Do not ingest. Do not extrude or incinerate container. Do not place near radiations, stoves or other sources of heat. Keep out of reach of children.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient	CAS#	Weight %
Alcohol	64-17-5	65.0% (Active Ingredient)
Aqua	7732-18-5	24.95%
Glycerin	56-81-5	5.0%
Propylene Glycol	57-55-6	3.0%
Aloe Barbadensis Leaf Extract	85507-69-3	1.0%
Carbomer	54182-57-9	0.3%
Triethanolamine	102-71-6	0.25%
Tocopherol	59-02-9	0.2%
Fragrance	N/A	0.3%

4. PHYSICAL DATA

The following physical data are approximate only and do not represent specification Values. They should only be used in the context of this material safety data sheet.

PHYSICAL STATE: Mixture of liquid
VAPOUR DENSITY (AIR=1): 62%
SOLUBILITY IN WATER (%by Wt): 100%
APPEARANCE AND ODOUR: clear
RELATIVE DENSITY: 0.876
pH: 6-7
FREEZEING POINT: <0°C

5. FIRE AND EXPLOSION HAZARDS

FLASH POINT: <-73°C
FLAMMABLE LIMITS IN AIR (% BY VOLUME)
LOWER: 1.8 - 2.2

UPPER: 8.4 – 9.5

AUTO IGNITION TEMPERATURE: N/A °C
 EXTINGUISHING MEDIA X DRY CHEMICAL, CO2, FOAM
 _____ OTHER

SPECIAL FIRE FIGHTING PROCEDURES:

X Water from fogging nozzles may be used to cool closed containers
 To prevent pressure build up if exposed to extreme temperatures.
 _____ Other

UNUSUAL FIRE AND EXPLOSION HAZARDS:

X Containers may explode if exposed to temperatures > 50°C
X Sensitive to shock
X Sensitive to static discharge

FLAMMABILITY OF AN AEROSOL IS DETERMINED BY FLAME PROJECTION. THE FLAME PROJECTION OF THIS PRODUCT IS CLASSIFIED AS:

_____ ZERO cm (NON-FLAMMABLE)
X 0 – 15 cm (CAUTION)
 _____ 15 – 45 cm (WARNING)
 _____ OVER 45 cm (DANGER)

HAZARDOUS COMBUSTION PRODUCTS:

_____ Possible phosgene over 500 °C
X Hydrocarbon fumes and smoke, co where combustion is incomplete.
 _____ Other

6. REACTIVITY DATA

STABILITY: X STABLE
 _____ UNSTABLE

HAZARDOUS POLYMERIZATION: X WILL NOT OCCUR
 _____ MAY OCCUR

HAZARDOUS POLYMERIZATION: X STABLE
 _____ STABLE

Personal Precaution: Avoid directly contact with eyes.

Environmental Precaution: Keep away from drains, surface and ground water and soil.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes. Keep away from open flames and hot surfaces. Do not puncture or incinerate.

Storage:

Store in a cool, dry secure area inaccessible to small children and pets. Do not pierce or burn, even after use. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures to reduce exposure:

General room ventilation is adequate. No special ventilation requirements.

Personal Protective Equipment

Eye protection:

Do not rub eyes with contaminated hand.

Hygiene measures:

spray small amount in your palm and briskly rub hands together until dry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid

Boiling point/range: N/A

Melting point/range: N/A

Specific gravity: 0.90(Water=1)

Vapor density: N/A

Autoignition temperature: N/A

Solubility in other solvents: N/A

Viscosity: N/A

10. STABILITY AND REACTIVITY

Stability: Stable.

Reactivity: Avoid contact with strong acid, alkali or oxidizing agents.

Polymerization: Will not occur.

Condition to avoid: High heat or open flame.

11. TOXICOLOGICAL INFORMATION

Component Information: See Section 3

Chronic toxicity: None known

Specific effects

Carcinogenic effects: None known

Mutagenic effects: None known

Reproductive toxicity: None known

Target organ effects: None known

12. ECOLOGICAL INFORMATION

No ecological studies have been carried out on this product.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Dispose of according to all federal, state and local regulations.

14. TRANSPORT INFORMATION

UN Number: not regulated

UN Proper

Class:

Packing Group: not regulated

15. REGULATORY INFORMATION

Chemical Inventory Status: All ingredients of this product are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Other Classifications

DSCL (EEC):R36/38-Irritating to eyes and skin.

16. OTHER INFORMATION

Reason for revision: Not applicable

Other Special Consideration: Not available.

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