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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1. PRODUCT NAME: Hand sanitizer

1.2. DESCRIPTION: Product specially formulated to eliminate a wide spectrum of bacteria without the need for rinsing. It contains moisturizing agents that prevent dry skin.

1.3. MANUFACTURER: Salgraf Cia. Ltda.

1.4. ADDRESS: 10 de Agosto Avenue y de los Eucaliptos E1-37. Quito – Ecuador

1.5. PHONE: (02) 247-1233

2. COMPOSITION / INFORMATION ON INGREDIENTS

2.1. Pure substance / preparation: Hand Sanitizer

2.2. Ingredients: Ethyl alcohol, water, carbopol, glycerin, fragrance, triethanolamine.

3. HAZARDS IDENTIFICATION

3.1. CLASSIFICATION

Flammable Liquids: Category 3

Eye irritation: Category 2A

3.2. SGA LABEL ELEMENT



4. FIRST AID

INHALATION: Transfer the patient to an aerated site. If symptoms persist, get medical attention. If you are conscious, lift or sit slowly, supply oxygen, if necessary.

SKIN CONTACT: Wash immediately after contact with plenty of soap and water, for at least 15 minutes.

EYE CONTACT: Rinse thoroughly with water for several minutes. Remove contact lenses when they are present and can be done easily. Continue washing. If eye irritation persists, see a doctor.

INGESTION: DO NOT INDUCE VOMITING. Rinse your mouth with water. Never give anything orally to an unconscious person. Call the doctor. If vomiting occurs spontaneously, place victim on side to reduce risk of aspiration

5. FIRE FIGHTING MEASURES

5.1. Appropriate Extinguishing Media:

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Use extinguishing measures that are appropriate to local and surrounding circumstances.
Other Methods: All known extinguishing media can be used

5.2. Specific hazards of the products:

Fire Hazard Keep away from heat and sources of ignition. The return of the flame at a considerable distance is possible. Be careful with the vapors that accumulate, thus forming explosive concentrations. Vapors can accumulate in the lower areas.

5.3. Combustion Products that are Harmful to Health:

CO, CO2

5.4. Suitable extinguishing media:

Use extinguishing measures appropriate to local circumstances and the environment.

5.5. Special protective equipment for firefighters:

Use self-contained breathing apparatus

6. MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL RELEASE

6.1. Personal precautions, protective equipment and emergency procedures:

For small spills use personal protection items such as gloves and goggles. For large spills, use a mask with filters for organic vapors. Eating, drinking or smoking is prohibited while handling. Avoid contact with eyes, skin and clothing. Wash after handling this product

6.2. For emergency personnel:

Wear the mandatory personal protection equipment

6.3. Environmental precautions:

Contain the product and avoid its dispersion to the environment. Prevent the product from reaching water courses.

6.4. Containment methods:

Prevent product penetration into drains. Prevent further leaks or spills if it can be done safely.

6.5. Cleaning methods:

Scoop up the product with a shovel and place it in an appropriate container. Clean or thoroughly wash the contaminated area. Dispose of the water and the waste collected in marked containers for disposal as chemical waste.

7. MANIPULATION AND STORAGE

7.1. Precauciones para una manipulación segura

Precautions for safe handling

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Avoid eye contact. No special technical protective measures are required. Generally no special handling procedures are necessary.

7.2. General hygiene considerations:

Handle respecting good industrial hygiene and safety practices.

7.3. Conditions for safe storage, including any incompatibilities

7.3.1. Storage conditions:

Store in a cool, dry and ventilated place. Avoid storage in direct sunlight. Keep out of the reach of children

7.3.2. Conditions for safe storage:

Keep away from fire, sparks and hot surfaces.

7.3.3. Storage temperature: 0 ° C to 35 ° C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Personal protection equipment:

Hand protection: If the job requires it. The expiration date of the selected gloves must be greater than the expected period of use.

Eye protection: Follow the directions on the label. No special technical protection measures are necessary. Avoid eye contact. When the conditions and / or intensity and duration of exposure differ from the typical use of a consumer product. The use of protective glasses is recommended

Skin and body protection: Being a body product with a low concentration of active ingredients, no EPP is required

8.2. Special safety and hygiene instructions:

Make sure a suitable ventilation, specially in closed places.

8.3. Respiratory protection:

As it is a body product with a low concentration of active ingredients, no EPP is required

8.4. General industrial hygiene:

This product is a consumer product. When the conditions and / or intensity and duration of exposure differ from the typical use of a consumer product, it is recommended to take appropriate protective measures to reduce exposure to a minimum.

8.5. Hygiene measures

No specific measures identified.

9. PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Transparent fluid gel

COLOR: Colorless

ODOR: Alcohol

pH: 5.0 - 7.0

DENSITY (g / mL): 0.88 - 0.90

BROOKFIELD RVT VISCOSITY: 7000 - 20000

Flash Point: 12°C (al 100 %), 17°C (al 96 %), 20°C (al 80%), 21°C (al 70 %), 22°C (al 60 %), 24°C (al 50 %), 26°C (al 40 %), 29°C (al 30 %), 36°C (al 20 %), 49°C (al 10 %) y 62°C (al 5 %).

10. STABILITY AND REACTIVITY

10.1. Chemical stability: Stable under normal conditions.

10.2. Possibility of hazardous reactions: Contact with highly chemicals that can emit alcohol vapors

10.3. Conditions to avoid: Keep out of the reach of children. Avoid heat, flame, sparks.

10.4. Incompatible materials: Acids, Hydrogen Peroxide, Perchlorates.

10.5. Hazardous decomposition products: CO, CO₂, alcohol vapors

11. TOXICOLOGICAL INFORMACION

11.1. Acute toxicity:

11.1.1. Acute toxicity estimate:> 5,000 mg / kg

11.1.2. Serious eye damage / irritation: Eye irritation

11.2. Mutagenicity, Carcinogenicity and toxicity for reproduction:

No information is available on any component of this product, which has levels greater than or equal to 0.1%, as a probable, possible or confirmed human carcinogen by IARC (International Agency for Research on Carcinogens).

11.3. Acute and delayed effects:

Inhalation, eye contact. Inhalation: Vapors originating from heating or in poorly ventilated areas can cause irritation to the nose and throat.

Skin contact: May cause skin irritation, especially if exposure is prolonged and / or repeated.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity Environmental Effects: There is no major risk to the environment

12.2. Biodegradability: This product is biodegradable

12.3. Bioaccumulative potential: no data available

12.4. Mobility in soil: no data available

12.5. Other adverse effects: no data available

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13. INFORMATION REGARDING THE DISPOSAL OF PRODUCTS

13.1. Disposal methods: Prevent the product from entering drains, pipes, or the ground (floors). Where possible, recycling is preferable to disposal or incineration. If it cannot be recycled, please dispose of in accordance with local regulations. Disposal of waste at approved waste disposal facilities.

13.2. Information related to the disposal of the products: The container or packaging can be reused or recovered to be used as raw material.

14. TRANSPORTATION INFORMATION

The shipper / consignee / shipper is responsible for ensuring that packaging, labeling and marking is in accordance with the selected mode of transportation.

14.1. Land Transportation (DOT)

UN number: 1170
Product description: Ethanol solutions
Class: 3
Packing group: III
Dangerous for the environment: No

14.2. Sea transport (IMDG / IMO)

UN number: 1170
Product description: Ethanol solutions
Class: 3
Packing group: III
Marine pollutant: No

15. REGULATORY INFORMATION

The information in this safety sheet is based on current knowledge and current laws of the Technical Standard for the control of liquid discharges from different sectors. It is always the responsibility of the user to take the appropriate measures in order to meet the requirements established in current legislation. The information in this safety data sheet represents a description of the safety requirements of the product and should not be considered as a guarantee of its properties.

16. OTHER INFORMATION

The information presented here is based on our current state of knowledge and is intended to describe the product from the point of view of the requirements for safe handling; It could be insufficient to the circumstances of a particular case, therefore the use of this information and the conditions of use of the product is the responsibility of the Customer. The conditions of handling, use, storage and disposal are beyond our control and knowledge, therefore, no

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responsibility or implications are assumed for losses, damages, injuries or expenses due to the handling, storage, use or disposal of this product.

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