
1. IDENTIFICATION OF THE MATERIAL AND THE SUPPLIER

Product Name: Hand Sanitizer

Product Use: Liquid Hand Sanitizer

Company/Brand Name: Young Melody Ltd

Emergency Telephone: 0800 764 766

Date of MSDS Preparation: 23 March 2020.

2. HAZARDS IDENTIFICATION

This substance is classified as a dangerous good according to NZS5433: 2007

This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

ERMA Approval Code: HSR002528 – Cleaning product (Flammable) group standards.

Pictogram:



Flammable Liquid

| HSNO Classification | Hazard Code | Hazard Statement |
|----------------------|-------------|------------------------------------|
| 3.1B | H225 | Highly flammable liquid and vapor. |
| 6.4A (mild irritant) | H320 | Causes eye irritation. |

Prevention

| Code | Prevention Statement |
|------|---|
| P103 | Read label before use. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces |
| P233 | Keep container tightly closed |

Response Code

| Response Code | Response Statement |
|--------------------|--|
| P370 + P378 | In case of fire: Use water, foam, dry chemicals etc for extinction |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |

Storage Statement

| | |
|-------------|--|
| P403 + P235 | Store in a well-ventilated place. Keep cool. |
|-------------|--|

Disposal Code

| Disposal Code | Disposal Statement |
|---------------|---|
| P501 | Do not reuse empty containers. Triple rinse and then recycle. |

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient | CAS Number | Percentage (%) |
|--|-----------------------------|----------------|
| Ethanol Denatured (with Methanol) | 64-17-5, 7732-18-5, 67-56-1 | 70 |
| Aqua (Water) | 7732-18-5 | To 100 |
| Glycerine | 56-81-5 | <5 |
| Fragrance | - | <1 |
| Carbomer | 9003-01-4 | <1 |
| Triethanolamine 99% | 102-71-6 | <1 |
| Aloe barbadensis (Aloe vera) leaf extract, organic | 85507-69-3 | <1 |

4. FIRST AID MEASURES

Recommended on site emergency facilities:

Routes of Exposure:

If in Eyes Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing holding the eyelids open. If eye irritation continues seek medical advice or attention.

If on Skin Do not apply to open wounds and avoid broken skin where possible

If Swallowed Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth. Seek medical attention if feeling unwell.

If Inhaled Not a likely route of exposure

Equipment at the Warehouse or bulk handling site: Eye wash facilities.

5. FIRE FIGHTING MEASURES

| | |
|---|--|
| Hazard Type | Flammable liquid. |
| Hazard from decomposition products | None |
| Suitable Extinguishing media | All extinguishing media e.g. Water, foam, dry chemicals etc. |
| Precautions for firefighters and special protective clothing | No special precautions |
| HAZCHEM CODE | 2Y |

6. ACCIDENTAL RELEASE MEASURES

Land Spill or Leaks Mop up area and wash residues and small spillages away to drain with water. For large spills, absorb with sand or similar, collect and place in sealable containers for disposal. Caution: Spill site may be slippery.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes. Use recommended PPE for bulk handling

Conditions for safe storage: Store in closed containers under dry conditions. Keep separate from strong acids and oxidizing substances.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance | CAS # (a) | TWA ppm | mg/m3 | ppm | STEL mg/m3 |
|---------------|-----------|------------|-------|------|---------------|
| Ethyl Alcohol | 64-17-5 | 1880 | mg/m3 | 1000 | ppm |

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15- minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES- STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls: Adequate ventilation required.

Personal Protective Equipment: Not required under normal condition of use.
For industrial applications - Use chemical safety goggles, gloves, cotton overalls, chemical resistant apron is recommended where large quantities are handled.

Other Information: Do not breathe vapors, do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------|---------------------------|
| Appearance: | Clear gel |
| Odor: | Characteristic |
| pH: | 6.5 – 7.5 |
| Solubility: | Completely water soluble. |
| Relative Vapor Density: | >1 |
| Freezing point: | -40° C |
| Specific gravity: | 0.84 - 0.88 |
| Flash point: | 25° C |
| Viscosity @ 25 C: | 5000 – 10000 cps |

10. STABILITY AND REACTIVITY

| | |
|-------------------------------------|---|
| Chemical stability | Stable under normal conditions and handling and storage. |
| Conditions to avoid incompatibility | Heat, flames & ignition sources. Avoid contact with eyes. |
| Incompatibility | Strong oxidizing agent. |
| Hazardous decomposition product | Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide. |

11. TOXICOLOGICAL INFORMATION

Toxicology Information: No toxicity data available for this material.

| | |
|-----------------------------------|---|
| Ingestion: | Ingestion of the product may irritate the gastric tract causing nausea and vomiting. |
| Inhalation: | Inhalation of product vapors may cause irritation of the nose, throat and respiratory system. |
| Skin: | May cause mild skin irritation in some sensitive individuals or prolonged contact/use. |
| Eye: | May be irritating to eyes, The Symptoms can include redness, itching and tearing. |
| Respiratory sensitization: | Not expected to be a respiratory sensitizer. |
| Skin Sensitization: | Not expected to be a skin sensitizer. |
| Germ cell mutagenicity: | Not considered to be a mutagenic hazard. |
| Carcinogenicity: | Not considered to be a carcinogenic hazard. |
| Reproductive toxicity: | Not considered to be toxic to reproduction. |
| Aspiration Hazard: | Not expected to be an aspiration hazard. |

12. ECOTOXICOLOGICAL INFORMATION

| | |
|--|--|
| Ecotoxicity: | No ecological data available for this material. |
| Persistence & degradability | |
| Mobility: | Not available. |
| Bio accumulative Potential: | Not available. |
| Environmental Precautions: | Prevent this material entering waterways, drains and sewers. |

13. DISPOSAL CONSIDERATIONS

Handle empty container with care because residual vapors are flammable,
Do not reuse empty containers. Triple rinse and then recycle or crush to go to a landfill.

14. TRANSPORT INFORMATION

Classified as a dangerous good for Road, Rail Marine and Air Transport

Road and Rail Transport

| | |
|----------------------|------------------|
| UN No | 1170 |
| Class-primary | 3 |
| Packing Group | II |
| Proper Shipping Name | Ethanol solution |
| HAZCHEM Code | 2Y |

Marine Transport

| | |
|----------------------|------|
| UN No | 1170 |
| Class-primary | 3 |
| Packing Group | II |
| Proper Shipping Name | 2Y |

Air Transport

| | |
|----------------------|------------------|
| UN No | 1170 |
| Class-primary | 3 |
| Packing Group | II |
| Proper Shipping Name | Ethanol solution |

15. REGULATORY INFORMATION

Approval code: HSR002528 Cleaning product (flammable) group standards.

HSNO CONTROLS

Triggered quantities

| | |
|-------------------------|---|
| Approved handler | $\geq 250\text{L}$ if containers $\geq 5\text{L}$ $\geq 500\text{L}$ if containers $\leq 5\text{L}$ $\geq 100\text{ L}$ ($>5\text{L}$), 250 L ($<5\text{L}$), 50 L open |
| Location certificate | Required. |
| Tracking | Not required. |
| Hazchem signage | 250 L |
| Emergency response plan | 1000 L |
| Secondary containment | 1000 L |

16. OTHER INFORMATION

This SDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

... End of SDS...