

Product Name: **HANDIE**Date of Issue: **MAR 2020**

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SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|--------------------------------|---|-----------------------|----------------|
| SUPPLIER: | GLEAM-IT PRODUCTS | | |
| ADDRESS: | Unit 4, 12 Commercial Drive, Ashmore, Qld 4214 Australia. | | |
| Trade Name: | HANDIE | | |
| TELEPHONE: | (07) 5531 1544 | FAX: | (07) 5591 1800 |
| AH EMERGENCY TELEPHONE: | 13 1126 in Australia | Product Code: | |
| Substance: | Alcohol based gel | Product Use: | Hand sanitizer |
| Creation Date: | March 2020 | Revision Date: | March 2025 |

SECTION 2 – HAZARDS IDENTIFICATION**Classification of the substance or mixture**

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|---------------------------|--|
| Poisons Schedule | Not scheduled |
| Dangerous Goods | Classified as Dangerous Goods CLASS 3 |
| GHS Classification | Flammable liquids - Category 3 Eye irritation - Category 2A |

Label elements

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|-----------------------------|---|---|
| GHS label pictograms |  GHS07 |  GHS02 |
| Signal word | WARNING | |

Hazard statement(s)

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|-------------|--------------------------------|
| H226 | Flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |

Precautionary statement(s): General

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| P102 | Keep out of reach of children. |
| P103 | Read label before use. |

Precautionary statement(s): Prevention

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| P210 | Keep away from heat/sparks/open flames/hot surfaces – No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof/electrical/ventilating/lighting equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P264 | Wash skin thoroughly after handling. |
| P280 | Wear protective gloves and eye/face protection. |

Precautionary statement(s): Response

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| P303+P361+P353 | IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. |
| P370+P378 | In case of fire: Use water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO ₂) 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 attention. |

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Precautionary statement(s): Storage

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

Precautionary statement(s): Disposal

P501 Dispose of contents/container in accordance with local regulations.

Note

IMPORTANT This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. When diluted to 1:3 or greater they no longer apply. However, good hygiene and housekeeping practices should be adhered to.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

| Ingredients: | CAS Number: | Proportion: |
|--|-------------|--------------|
| Ethanol | 64-17-5 | > 60% w/w |
| Propan-2-ol | 67-63-0 | <10% w/w |
| Ingredients determined to be non-hazardous | various | To 100 % w/w |

SECTION 4 – FIRST AID MEASURES

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| Inhalation | If inhaled, remove to fresh air. Get medical attention if symptoms occur. |
| Skin contact | If irritation occurs wash with water and soap as a precaution. Get medical attention if symptoms occur. |
| Eye contact | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention. |
| Ingestion | If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water. |
| Advice to Doctor | Treat symptomatically and supportively. |
| Scheduled Poisons | Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766). |
| First Aid Facilities | Eye wash station. Showering facility. Normal washroom facilities. |

SECTION 5 – FIRE FIGHTING MEASURES

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| Fire and Explosion Hazards | In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapours may form explosive mixtures with air. Exposure to combustion products may be a hazard to health. |
| Extinguishing Media | Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO ₂). |
| Fire Fighting | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area. |
| Flash Point | 23.7°C |

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations. Non-sparking tools should be used. Soak up with inert absorbent material. For large spills, provide containment to keep material from spreading. If material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean-up of releases. You will need to determine which regulations are applicable.

SECTION 7 – HANDLING AND STORAGE

Handling

Do not swallow. Do not get in eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice. Non-sparking tools should be used. Keep container tightly closed. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment. Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

Storage

Keep in properly labelled containers. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

National Occupational Exposure Limits, as published by Safe Work Australia:

Time-weighted Average (TWA):

None established for product.

TWA for ethanol is 1,880 mg/m³

TWA for propan-2-ol is 983 mg/m³

Short Term Exposure Limit (STEL):

None established for product.

STEL for ethanol is 1,000 ppm

STEL for propan-2-ol is 1,230 ppm

Ventilation

Local exhaust ventilation may be required. In exhaust is needed use only in an area equipped with explosion proof exhaust ventilation. Minimise workplace exposure concentrations.

Personal Protective Equipment

Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. The following protective equipment should be available;

Eye Protection



Wear safety goggles. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

Hand Protection



Wear flame-retardant gloves to handle diluted solutions as per label directions.

Body Protection



Wear overalls, boots (as per AS/NZS 2161, or as recommended by supplier).

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| Respirator | No respirator should be required under normal conditions of use in well-ventilated areas provided air concentrations are below exposure standards. Where high contaminant spray mist or vapour levels exist, ie, approaching the exposure limit, the following additional equipment is required: For short elevated exposures, eg, spillages:- Appropriate organic vapour cartridge respirator as per the requirements of AS/NZS 1715 and AS/NZS 1716 (Respiratory protective devices). For prolonged exposure and confined spaces:- full face air supplied or self-contained breathing apparatus (if vapour levels exceed the Exposure Limit by more than ten times, air supplied apparatus should be used). |
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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|----------------------------------|--|-------------------|------------------------|
| Physical State | Gel | Colour | Clear, colourless |
| Odour | Alcohol-like | Specific Gravity | Not available |
| Boiling Point | Not available | Freezing Point | Not available |
| Vapour Pressure | Not available | Density | 0.88 g/cm ³ |
| Flash Point | 23.7°C | Flammable Limits | none |
| Water Solubility | Soluble | pH | 6.5 – 8.5 |
| Volatile Organic Compounds (VOC) | Not available | Per Cent Volatile | Not available |
| Viscosity | 3,500 – 23,000 mm ² /s (20°C) | Odour Threshold | Not available |

SECTION 10 – STABILITY AND REACTIVITY

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| Reactivity | Not classified as a reactivity hazard. |
| Hazardous Reactions | Flammable liquid and vapour. Vapours may form explosive mixture with air. Can react with strong oxidizing agents. |
| Chemical stability | Stable under normal conditions. |
| Conditions to Avoid | Avoid heat, flames and sparks. Do not store with the following product types: Self-reactive substances and mixtures Organic peroxides, Oxidizing agents, Flammable gases, Self-heating substances and mixtures Poisonous gases, Explosives |
| Incompatibilities | Oxidising agents. |
| Hazardous Decomposition | No hazardous decomposition products are known. |

SECTION 11 – TOXICOLOGICAL INFORMATION**POTENTIAL HEALTH EFFECTS**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

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|------------------------|--|
| Inhalation | Not classified as a respiratory sensitiser based on available information. |
| Skin contact | Not classified based on available information. No skin irritation. |
| Eye contact | May cause serious eye irritation. |
| Ingestion | No information available. |
| Chronic exposure | No known effects. |
| Toxicology Information | Ethanol: Acute oral toxicity LD50 (rat): > 5,000 mg/kg Acute inhalation toxicity: LC50 (rat): 124.7 mg/l, 4h Propan-2-ol: Acute oral toxicity - LD50 (rat): > 5,000 mg/kg Acute dermal toxicity - LC50 (rat): > 5,000 mg/kg |
| Carcinogen Status | |
| SWA | No significant ingredient is classified as carcinogenic by SWA. |
| Target Organs | Skin, mucous membranes, eyes. |

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|---------------------------|--|
| Respiratory sensitisation | Not expected to be a respiratory sensitiser. |
| Skin Sensitisation | Not expected to be a skin sensitiser. |
| Germ cell mutagenicity | Not considered to be a mutagenic hazard. |
| Reproductive Toxicity | Not considered to be toxic to reproduction. |
| STOT-single exposure | Not expected to cause toxicity to a specific target organ. |
| STOT-repeated exposure | Not expected to cause toxicity to a specific target organ. |
| Aspiration Hazard | Not expected to be an aspiration hazard. |


SECTION 12 – ECOLOGICAL INFORMATION

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| Eco-toxicity Product (as sold) | Not expected to be toxic to aquatic species. |
| Eco-toxicity Product (at use dilution 1:100 rinse) | Not available |
| Persistence and degradability | Readily biodegradable. |
| Bio accumulative potential | Ethanol: Partition coefficient: n-octanol/water : log Pow: -0.35 Propan-2-ol: Partition coefficient: n-octanol/water: log Pow: 0.05 |
| Mobility in soil | Not available |
| Other adverse effects | Not available |
| Environmental Protection | Dispose in accordance with local regulations. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn, or use a cutting torch on, the empty drum. |

SECTION 13 – DISPOSAL CONSIDERATIONS

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| | Refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. Do not put down the drain. Basic solution – neutralise before disposal if large volumes, otherwise dilute with large volumes of water. |
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SECTION 14 – TRANSPORT INFORMATION

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| Labels Required | |
| ADG |  |
| IMDG Marine Pollutant | No |
| HAZCHEM | •3Y |
| Land Transport (ADG) | |
| UN Number | 1987 |
| Shipping Name | ALCOHOLS, N.O.S. (Ethanol, Propan-2-ol) |
| ADG Code | 3 |
| Special Provisions | None allocated |
| Packing Group | III |

SECTION 15 – REGULATORY INFORMATION

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|---------------------------|--|
| GHS Classification | Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. |
| SUSMP | Not scheduled |
| ADG Code | 3 |
| AICS | All ingredients present on AICS. |

SECTION 16 – OTHER INFORMATION

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|-----------------------------------|--|
| Issue Date | March 2020 |
| Version Number | V1 |
| Abbreviations and acronyms | <p>ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>AICS: Australian Inventory of Chemical Substances.</p> <p>CAS Number: Chemical Abstracts Service Registry Number.</p> <p>GHS: Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.</p> <p>HSIS: Hazardous Substances Information System</p> <p>IARC: International Agency for Research on Cancer.</p> <p>SWA: Safe Work Australia.</p> <p>NTP: National Toxicology Program (USA).</p> <p>SDS: Safety Data Sheet</p> <p>STEL: Short Term Exposure Limit.</p> <p>SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p>TWA: Time Weighted Average.</p> <p>UN Number: United Nations Number.</p> |
| Literature references | <p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (Safe Work Australia)</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS)</p> <p>“Australian Exposure Standards”. Safe Work Australia</p> <p>Australian Code for The Transport of Dangerous Goods by Road and Rail</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons</p> <p>Safety Data Sheets – individual raw materials – Suppliers</p> <p>HSIS – Hazardous Substance Information System – National Safe Work Australia Data Base.</p> <p>HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.</p> |
| Disclaimer | This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier. |

End of SDS