

# SAFETY DATA SHEET



## HAND SANISPRAY

APPLIED PRODUCTS AUSTRALIA PTY LTD

Catalogue number: AP364

Version No: EP2.3

Issue date: 08/04/2020

Safety Data Sheet according to WHS and ADG requirements

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### Product Identifier

|                               |  |
|-------------------------------|--|
| Product name                  | HAND SANISPRAY   |
| Synonyms                      | AP364  |
| Proper shipping name          | ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) |
| Other means of identification | Not Available  |

#### Relevant identified uses of the substance or mixture and uses advised against

|                          |                        |
|--------------------------|------------------------|
| Relevant identified uses | Alcohol hand sanitiser |
|--------------------------|------------------------|

#### Details of the supplier of the safety data sheet

|                         |  |
|-------------------------|--|
| Registered company name | APPLIED PRODUCTS AUSTRALIA PTY LTD             |
| Address                 | 11 Gamma Close, Beresfield 2322 NSW, Australia |
| Telephone               | (02) 4966 5516                                 |
| Website                 | www.actichem.com.au                            |
| Email                   | info@actichem.com.au                           |

#### Emergency telephone number

|                                   |                            |
|-----------------------------------|----------------------------|
| Association / Organisation        | Poisons Information Centre |
| Emergency telephone numbers       | 13 1126                    |
| Other emergency telephone numbers | Not Available              |


### SECTION 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

|                                   |   |
|-----------------------------------|---|
| Poisons Schedule                  | None  |
| GHS Classification <sup>[1]</sup> | Flammable Liquid Category 2, Eye Irritation Category 2A   |
| Legend:                           | 1. Classified by Chemwatch; 2. Classification drawn from HSIS; 3. Classification drawn from EC Directive 1272/2008 - Annex VI |

#### Label elements

|                    |   |
|--------------------|---|
| GHS label elements |  |
|--------------------|---|

|             |                |
|-------------|----------------|
| SIGNAL WORD | <b>WARNING</b> |
|-------------|----------------|

#### Hazard statement(s)

|      |                                    |
|------|------------------------------------|
| H225 | Highly flammable liquid and vapour |
| H319 | Causes serious eye irritation      |

#### Precautionary statement(s) Prevention

|      |  |
|------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
|------|--|

#### Precautionary statement(s) Response

|                          |  |
|--------------------------|--|
| P305+P351+P338+P337+P313 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice / attention. |
| P370+P378                | In case of fire: Use alcohol resistant foam or normal protein foam for extinction.   |

#### Precautionary statement(s) Storage

|           |  |
|-----------|--|
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P410+P235 | Protect from sunlight. Keep cool.                                |

#### Precautionary statement(s) Disposal

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

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### Substances

See section below for composition of Mixtures

#### Mixtures

| CAS No    | %       | Name                      |
|-----------|---------|---------------------------|
| 64-17-5.  | 72% v/v | <u>ethanol, denatured</u> |
| 7732-18-5 | 15-~30% | <u>Water, aqua</u>        |
| 56-81-5   | <5%     | <u>Glycerine</u>          |

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### SECTION 4 FIRST AID MEASURES

#### Description of first aid measures

|              |  |
|--------------|--|
| Eye Contact  | <p>If this product comes in contact with the eyes:<br/>Wash out immediately with fresh running water for 10 to 15 minutes.<br/>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.<br/>If pain persists or recurs seek medical attention.<br/>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</p>  |
| Skin Contact | <p>In the event of irritation or rash discontinue use of the product.<br/>If irritation persists seek medical advice / attention.</p>  |
| Inhalation   | <p>If respiratory irritation occurs remove patient from area where the product is being used.<br/>If patient feels unwell seek medical advice / assistance.</p>  |
| Ingestion    | <p><b>If swallowed do NOT induce vomiting.</b><br/>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.<br/>Observe the patient carefully.<br/>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.<br/>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.<br/>Seek medical advice.</p> |

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5 FIREFIGHTING MEASURES

#### Extinguishing media

|                     |   |
|---------------------|---|
| Extinguishing media | <p>Alcohol stable foam.<br/>Dry chemical powder.<br/>BCF (where regulations permit).<br/>Carbon dioxide.<br/>Water spray or fog - Large fires only.</p> |
|---------------------|---|

#### Special hazards arising from the substrate or mixture

|                      |  |
|----------------------|--|
| Fire incompatibility | Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result |
|----------------------|--|

#### Advice for firefighters

|                       |   |
|-----------------------|---|
| Fire Fighting         | <p>Alert Fire Brigade and tell them location and nature of hazard.<br/>May be violently or explosively reactive.<br/>Wear breathing apparatus plus protective gloves in the event of a fire.<br/>Prevent, by any means available, spillage from entering drains or water course.<br/>Consider evacuation (or protect in place).<br/>Fight fire from a safe distance, with adequate cover.<br/>If safe, switch off electrical equipment until vapour fire hazard removed.<br/>Use water delivered as a fine spray to control the fire and cool adjacent area.<br/>Avoid spraying water onto liquid pools.<br/><b>Do not approach containers suspected to be hot.</b></p> |
| Fire/Explosion Hazard | <p>Liquid and vapour are highly flammable.<br/>Severe fire hazard when exposed to heat, flame and/or oxidisers.<br/>Vapour may travel a considerable distance to source of ignition.<br/>Heating may cause expansion or decomposition leading to violent rupture of containers.<br/>On combustion, may emit toxic fumes of carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), silicon dioxide (SiO<sub>2</sub>) and other pyrolysis products typical of burning organic material.</p>   |

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

|                     |   |
|---------------------|---|
| <b>Minor Spills</b> | <p>Remove all ignition sources.<b>NO SMOKING</b><br/>Clean up all spills immediately.<br/>Avoid breathing vapours and contact with eyes.<br/>Contain and absorb small quantities with vermiculite or other absorbent material.<br/>Wipe up.<br/>Collect residues in a flammable waste container.</p>  |
| <b>Major Spills</b> | <p><b>NO SMOKING</b>, naked lights or ignition sources.<br/>May be violently or explosively reactive.<br/>Prevent, by any means available, spillage from entering drains or water course.<br/>Consider evacuation (or protect in place).<br/>Increase ventilation. Stop leak if safe to do so.<br/>Water spray or fog may be used to disperse /absorb vapour.<br/>Absorb on sand, dirt, vermiculite or similar absorbent material.<br/>Place into labelled drums and dispose of according to local government regulations.<br/>Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle.</p> |
|                     | <p>Personal Protective Equipment advice is contained in Section 8 of the SDS.</p>   |

## SECTION 7 HANDLING AND STORAGE

### Precautions for safe handling

|                          |   |
|--------------------------|---|
| <b>Safe handling</b>     | <p>Containers, even those that have been emptied, may contain explosive vapours.<br/>Do NOT cut, drill, grind, weld or perform similar operations on or near containers.<br/>Use in a well-ventilated area.<br/>Prevent concentration in hollows and sumps.<br/><b>DO NOT enter confined spaces until atmosphere has been checked.</b><br/><b>Avoid smoking, naked lights, heat or ignition sources</b><br/><b>When handling DO NOT eat, drink or smoke.</b></p>  |
| <b>Other information</b> | <p>Store in original containers in approved flame-proof area.<br/><b>No smoking, naked lights, heat or ignition sources.</b><br/><b>DO NOT store in pits, depressions, basements or areas where vapours may be trapped.</b><br/>Keep containers securely sealed.<br/>Store away from incompatible materials in a cool, dry and well ventilated area.<br/>Protect containers against physical damage and check regularly for leaks.<br/>Observe manufacturer's storage and handling recommendations contained within this SDS.</p> |

### Conditions for safe storage, including any incompatibilities

|                                |   |
|--------------------------------|---|
| <b>Suitable container</b>      | <p>Packaging as supplied by the manufacturer.<br/>Plastic containers may only be used if they are approved for containing flammable liquids.<br/>Check that containers are properly labelled and free from leaks.</p> |
| <b>Storage incompatibility</b> | <p>Avoid caustics, strong acids oxidising agents and nitrates.<br/>Dissolves rubber, many plastics, resins and some coatings.</p>   |

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA

| Source                       | Ingredient         | Material name | TWA                   | STEL          | Peak          | Notes         |
|------------------------------|--------------------|---------------|-----------------------|---------------|---------------|---------------|
| Australia Exposure Standards | ethanol, denatured | Ethyl alcohol | 1880 mg/m3 / 1000 ppm | Not Available | Not Available | Not Available |

#### EMERGENCY LIMITS

| Ingredient         | Material name            | TEEL-1          | TEEL-2        | TEEL-3        |
|--------------------|--------------------------|-----------------|---------------|---------------|
| ethanol, denatured | Ethyl alcohol; (Ethanol) | Not Available   | Not Available | Not Available |
| Ingredient         | Original IDLH            | Revised IDLH    |               |               |
| ethanol, denatured | 15,000 ppm               | 3,300 [LEL] ppm |               |               |

### Exposure controls

|   |  |
|---|--|
| <b>Appropriate engineering controls</b> | <p>Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate.<br/>If ventilation is poor, then the use of a local exhaust ventilation system is recommended.</p>  |
| <b>Personal protection</b>              | <p>Not usually necessary due to physical nature of the product.</p>  |
| <b>Eye and face protection</b>          | <p>Not usually necessary due to physical nature of the product.<br/>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. Lens should be removed at the first signs of eye redness or irritation. Lens should be removed in a clean environment only after workers have washed hands thoroughly.</p> |
| <b>Skin protection</b>                  | <p>See Hand protection below</p>   |
| <b>Hands/feet protection</b>            | <p>Not necessary</p>   |
| <b>Body protection</b>                  | <p>See Other protection below</p>  |
| <b>Other protection</b>                 | <p>Eyewash unit.</p>   |
| <b>Thermal hazards</b>                  | <p>Not Available</p>   |

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|   |                         |  |                |
|---|-------------------------|--|----------------|
| <b>Appearance</b>                                   | Clear colourless liquid |  |                |
| <b>Physical state</b>                               | Liquid                  | <b>Relative density (Water = 1)</b>            | 0.86           |
| <b>Odour</b>  | Crisp scent             | <b>Partition coefficient n-octanol / water</b> | Not Available  |
| <b>Odour threshold</b>                              | Not Available           | <b>Auto-ignition temperature (°C)</b>          | Not Available  |
| <b>pH (as supplied)</b>                             | 6.5 – 7.5               | <b>Decomposition temperature</b>               | Not Available  |
| <b>Melting point / freezing point (°C)</b>          | Not Available           | <b>Viscosity (cSt)</b>                         | Not Available  |
| <b>Initial boiling point and boiling range (°C)</b> | Not Available           | <b>Molecular weight (g/mol)</b>                | Not Available  |
| <b>Flash point (°C)</b>                             | Not Available           | <b>Taste</b>                                   | Not Available  |
| <b>Evaporation rate</b>                             | Not Available           | <b>Explosive properties</b>                    | Not Available  |
| <b>Flammability</b>                                 | FLAMMABLE.              | <b>Oxidising properties</b>                    | Not Available  |
| <b>Upper Explosive Limit (%)</b>                    | Not Available           | <b>Surface Tension (dyn/cm or mN/m)</b>        | Not Available  |
| <b>Lower Explosive Limit (%)</b>                    | Not Available           | <b>Volatile Component (%vol)</b>               | Not Available  |
| <b>Vapour pressure (kPa)</b>                        | Not Available           | <b>Gas group</b>                               | Not Available  |
| <b>Solubility in water (g/L)</b>                    | Miscible                | <b>pH as a solution (1%)</b>                   | Not Applicable |
| <b>Vapour density (Air = 1)</b>                     | Not Available           | <b>VOC g/L</b>                                 | Not Available  |

## SECTION 10 STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Reactivity</b>                         | See section 7  |
| <b>Chemical stability</b>                 | Unstable in the presence of incompatible materials.<br>Product is considered stable.<br>Hazardous polymerisation will not occur. |
| <b>Possibility of hazardous reactions</b> | See section 7  |
| <b>Conditions to avoid</b>                | See section 7  |
| <b>Incompatible materials</b>             | See section 7  |
| <b>Hazardous decomposition products</b>   | See section 5  |

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

|                     |  |
|---------------------|--|
| <b>Inhaled</b>      | There is some evidence to suggest that the material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.  |
| <b>Ingestion</b>    | Accidental ingestion of the material may be damaging to the health of the individual.  |
| <b>Skin Contact</b> | Skin contact is not thought to have harmful health effects (as classified under EC Directives);<br>Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected. |
| <b>Eye</b>          | There is evidence that material may produce eye irritation in some persons and produce eye damage 24 hours or more after instillation. Severe inflammation may be expected with pain.<br>Discomfort may last 2 days but usually the injury heals without treatment.  |
| <b>Chronic</b>      | No relevant data is available  |

## SECTION 12 ECOLOGICAL INFORMATION

### Toxicity

Not thought to be ecotoxic

### Persistence and degradability

| Ingredient         | Persistence: Water/Soil     | Persistence: Air            |
|--------------------|-----------------------------|-----------------------------|
| ethanol, denatured | LOW (Half-life = 2.17 days) | LOW (Half-life = 5.08 days) |

### Bio accumulative potential

| Ingredient         | Bioaccumulation      |
|--------------------|----------------------|
| ethanol, denatured | LOW (LogKOW = -0.31) |

### Mobility in soil

| Ingredient         | Mobility       |
|--------------------|----------------|
| ethanol, denatured | HIGH (KOC = 1) |

## SECTION 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

|                              |   |
|------------------------------|---|
| Product / packaging disposal | Recycle containers whenever possible.<br>Product residues and containers should be disposed of in accordance with local government regulations. |
|------------------------------|---|

## SECTION 14 TRANSPORT INFORMATION

### Labels Required

|                  |   |
|------------------|---|
|                  |  |
| Marine Pollutant | NO  |
| HAZCHEM          | 2YE   |

### Land transport (ADG)

|                              |   |                    |     |                  |                |
|------------------------------|---|--------------------|-----|------------------|----------------|
| UN number                    | 1170  |                    |     |                  |                |
| Packing group                | II  |                    |     |                  |                |
| UN proper shipping name      | ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  |                    |     |                  |                |
| Environmental hazard         | No relevant data  |                    |     |                  |                |
| Transport hazard class       | <table border="1"><tr><td>Class</td><td>3</td></tr><tr><td>Sub risk</td><td>Not Applicable</td></tr></table>            | Class              | 3   | Sub risk         | Not Applicable |
| Class                        | 3   |                    |     |                  |                |
| Sub risk                     | Not Applicable  |                    |     |                  |                |
| Special precautions for user | <table border="1"><tr><td>Special provisions</td><td>144</td></tr><tr><td>Limited quantity</td><td>1L</td></tr></table> | Special provisions | 144 | Limited quantity | 1L             |
| Special provisions           | 144   |                    |     |                  |                |
| Limited quantity             | 1L  |                    |     |                  |                |

## SECTION 15 REGULATORY INFORMATION

### Safety, health and environmental regulations / legislation specific for the substance or mixture

#### ETHANOL, DENATURED (64-17-5.) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards  
Australia Inventory of Chemical Substances (AICS)  
Australia Hazardous Substances Information System - Consolidated Lists

## SECTION 16 OTHER INFORMATION

### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at: [www.chemwatch.net](http://www.chemwatch.net)

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

|          |   |
|----------|---|
| PC-TWA;  | Permissible Concentration-Time Weighted Average         |
| PC-STEL; | Permissible Concentration-Short Term Exposure Limit     |
| IARC;    | International Agency for Research on Cancer             |
| ACGIH;   | American Conference of Government Industrial Hygienists |
| STEL;    | Short Term Exposure Limit                               |
| TEEL;    | Temporary Emergency Exposure Limit                      |
| IDLH;    | Immediate Danger to Life or Health Concentrations       |
| OSF;     | Odour Safety Factor                                     |
| NOAEL;   | No Observed Effects Level                               |
| TLV;     | Threshold Limit Value                                   |
| LOD;     | Limit Of Detection                                      |
| OTV;     | Odour Threshold Value                                   |
| BCF;     | Bio Concentration Factors                               |
| BEL;     | Biological Exposure Index                               |

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**End of SDS**