

## SAFETY DATA SHEET

### Section 1 - Identification of the Material and Supplier

**Minehan Agencies P/L**

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**Emergency:** +61 747 744626 (BH) --- 0408 777 800 (24hrs)

**Chemical nature:** Aerosol

**Trade Name:** STAF

**Product Use:** Spray Disinfectant/Sanitiser

**Creation Date:** July, 2016

**This version issued:** July, 2016 and is valid for 5 years from this date

### Section 2 - Hazards Identification Statement of Hazardous Nature

**CLASSIFICATION:** Flammable Aerosol: Category

2 Liquefied Gas

Skin Irritant:

Category 2 Eye

Irritant:

Category 2A

**HAZARD STATEMENT(S):** **WARNING:** Flammable Aerosol Contains gas under pressure; May explode if heated. Causes skin and serious eye irritation.

This product contains the following percentage of chemicals of unknown toxicity: 0%

**PRECAUTIONARY STATEMENTS:** Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention.

Take off contaminated clothing and wash before reuse. 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 attention.



**SYMBOL:**

**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

### Section 3 - Composition/Information on Ingredients

#### HAZARDOUS INGREDIENT

Propane/n-Butane

Isopropyl Alcohol

Triethylene Glycol

#### CAS NUMBER

68476-86-8

#### PERCENT

10-30%

30-60%

3-7%

### Section 4 - First Aid Measures

**EYES:** 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 or attention.

## SAFETY DATA SHEET

**INGESTION:** Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.

**INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

**SKIN:** Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred

vision Skin: defatting and dermatitis

Oral: abdominal irritation, nausea, vomiting, and diarrhea

**CHRONIC HEALTH HAZARDS:** Skin disorders, drying and irritation of the skin.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

### Section 5 - Fire Fighting Measures

**EXTINGUISHING MEDIA:** Carbon dioxide, standard chemical fire extinguisher, and water fog.

**UNSUITABLE EXTINGUISHING MEDIA:** N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid contact with skin and breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

**HAZARDOUS COMBUSTION PRODUCTS:** None Known

### Section 6 - Accidental Release Measures

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Absorb with non-combustible material like vermiculite, sand or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state and federal regulations.

**WASTE DISPOSAL:** Do not puncture or incinerate! If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

**RCRA STATUS:** Product should be fully characterized prior to disposal (40 CFR 261).

### Section 7 - Handling and Storage

**HANDLING AND STORAGE:** Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

**OTHER PRECAUTIONS:** Do not contaminate other materials (including foods/drinks/feeds/water) during transport, use, storage, and disposal.

**INCOMPATIBILITY:** Strong oxidizing agents.

### Section 8 - Exposure Controls and Personal Protection

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Propane/n-Butane	1000 ppm	1000 ppm
Isopropyl Alcohol	400 ppm	200 ppm
Triethylene Glycol	N/A	N/A

**ENGINEERING CONTROLS / VENTILATION:** General ventilation and local exhaust should be adequate.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses and chemical resistant gloves

## SAFETY DATA SHEET

**ADDITIONAL MEASURES:** Wash hands and clothing in contact with product after use.

### Section 9 - Physical and Chemical Properties:

**APPEARANCE:** Clear Aerosol

**ODOR:** Medicinal, mild scent

**ODOR THRESHOLD:** N/D

**BOILING POINT:** >170°F

**FREEZING POINT:** N/D

**FLAMMABILITY:** Flammable Aerosol

**FLASH POINT:** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**LOWER FLAMMABILITY LIMIT:** N/D

**UPPER FLAMMABILITY LIMIT:** N/D

**VAPOR PRESSURE (mm Hg):** 44 @ 77°F (25°C)

**VAPOR DENSITY (AIR=1):** > 1 @ 77°F (25°C)

**EVAPORATION RATE:** > 1

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 0.89 @ 77° F (25° C)

**pH:** 10

**SOLIDS (%):** N/D

**SOLUBILITY IN WATER:** 100%

**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>ow</sub>):** N/D

**VOLATILITY INCLUDING WATER (%):** 99%

**VOLATILE ORGANIC COMPOUNDS (VOC):** 60%

**DIELECTRIC STRENGTH (Volts):** N/A

**DECOMPOSITION TEMPERATURE:** N/D

**VISCOSITY:** N/D

### Section 10 - Stability and Reactivity

**REACTIVITY:** None Known

**CHEMICAL STABILITY:** Stable

**CONDITIONS TO AVOID:** Temperatures greater than 122°F may cause bursting.

**INCOMPATIBILITY:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Oxides of carbon

**POSSIBLE HAZARDOUS REACTIONS:** None Known

### Section 11 - Toxicological Information

**TOXICOLOGICAL INFORMATION: Isopropyl Alcohol (67-63-0) LD<sub>50</sub> (Oral, Rat) 5045 mg/kg; LD<sub>50</sub> (Oral, Rabbit) 5045 mg/kg; LD<sub>50</sub> (Dermal, Rabbit) 12,800 mg/kg; LC<sub>50</sub> (Inhalation, Rat, 8hr) 16,000 ppm**

**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin

**EYES:** Causes moderate to severe irritation, redness, tearing, pain

**INGESTION:** May cause gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, depending on the amount ingested. Small amounts unlikely to cause irritation.

**INHALATION:** Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation.

**SKIN:** Contact with liquid can freeze tissue similar to thermal burn.

**MEDICAL CONDITION AGGRAVATED:** Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision Skin: defatting and dermatitis

Oral: abdominal irritation, nausea, vomiting, and diarrhea

**CHRONIC HEALTH HAZARDS:** Skin disorders, drying and irritation of the skin.

**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No **OTHER:** N/A

## SAFETY DATA SHEET

### Section 12 - Ecological Information

**ECOLOGICAL INFORMATION:** Isopropyl Alcohol (67-63-0) LC<sub>50</sub> (Fathead Minnow, 96 hrs) 100,000 mg/L

**Biodegradability:** Component or components of this product are not biodegradable.

**Bioaccumulation:** This product is not expected to bioaccumulate.

**Soil Mobility:** This product is mobile in soil.

**Other Ecological Hazards:** This material is toxic to aquatic life.

### Section 13 - Disposal Considerations

**Waste Disposal:** Do not puncture or incinerate! If empty: Place in trash or offer for recycling if available. If partly filled:

Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

**RCRA Status:** Product should be fully characterized prior to disposal (40 CFR 261).

### Section 14 - Transport Information

**Proper Shipping Name:** Aerosols, Ltd. Qty.

**Hazard Class/Division:** 2.1

**UN/NA Number:** UN 1950

**Packaging Group:** None

#### AIR SHIPMENT

**Proper Shipping Name:** Aerosols, Ltd. Qty.

**Hazard Class/Division:** 2.1

**UN/NA Number:** UN 1950

**Packaging Group:** None

#### SHIPPING BY WATER: VESSEL (IMO/IMDG)

**Proper Shipping Name:** Aerosols, Ltd. Qty.

**Hazard Class/Division:** 2.1

**UN/NA Number:** UN 1950

**Packaging Group:** None

**ENVIRONMENTAL HAZARDS WATER:** Marine Pollutant

### Section 15 - Regulatory Information

**TSCA Status:** All Chemicals are listed or exempt.

**CERCLA (Comprehensive Response Compensation, and Liability Act):** Fire Hazard

**SARA 311/312 Hazard Categories:** Acute Health, Fire

**SARA 313 Reportable Ingredients:** Isopropyl Alcohol (67-63-0)

**Clean Water Act:** None

**State Regulations:** California Proposition 65: None

**International Regulations:** All components are listed or exempted.

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: **CAUTION:** Keep out of reach of children. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Harmful if swallowed. Flammable! Contents under pressure. Do not use near fire, sparks or flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

EPA Reg. No. 44446-20

**NFPA Health:** 1

**NFPA Flammability:** 2

**HMIS Health:** 1

**HMIS Flammability:** 2

## SAFETY DATA SHEET

**NFPA REACTIVITY:** 1  
**NFPA OTHER:** N/A

**HMIS REACTIVITY:** 1  
**HMIS PROTECTION:** A

### Section 16 - Other Information

**PREPARATION BY:** Minehan Agencies Pty Ltd

**DATE PREPARED:** 26/07/2016

**REVISION DATE:** 26/07/2017

N/A = Not Applicable; N/D = Not Determined

### Disclaimer

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product and in particular how to safely handle and use the product in the workplace.

Since Minehan Agencies Pty Ltd 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 i.e. a risk analysis.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Minehan Agencies Pty Ltd.

### End of Safety Data Sheet