

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER****Product Name** Alpha Olefin Sulphonate Liquid**Other Names** Alpha-olefine sulfonates; AOS**Company Name** Aurora Cleaning Supplies Pty Ltd**Address** Factory 1, 5 Bungaleen Court, Dandenong South, Victoria.**Tel/Email** Tel: 03 9768 2669 Email: office@auroracleaning.com.au**Recommended use** Surfactant; used as a raw material of shampoos, hand soaps, bath products, dish washing and industrial cleansers.**Other Information** This MSDS summarises to the best of our knowledge, the health and safety hazard information of the product and how to safely handle and use the product in the work place.**Emergency Contact Details** Poisons Information Centre 131126**2. HAZARD IDENTIFICATION**

Hazard Classification Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Hazard Categories Skin Corrosion/Irritation - Category 2

Serious Eye Damage/Irritation - Category 2A

**Signal Word** Warning**Hazard Statements** H315 Causes skin irritation.

H319 Causes serious eye irritation.

**Precautionary Statements** Prevention P280 Wear protective gloves/eye protection/face protection.**Response** P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dangerous Goods Classification NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road &amp; Rail (ADG Code)

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Information on Name CAS Proportion**

Alpha-olefine sulfonates C14H27NaO3S 68439-57-6 34 - 38.5 %

**4. FIRST AID MEASURES****Swallowed** IF SWALLOWED: Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.

Advice to Doctor Treat symptomatically.

**Inhaled** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor/physician for advice. Apply resuscitation if victim is not breathing - Administer oxygen if breathing is difficult.

Medical Conditions Aggravated

by Exposure

No information available.

**Eye** IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.**Skin** IF ON SKIN: Remove contaminated clothing and shoes immediately. Flush skin with running water for at least 15 minutes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse.**5. FIRE FIGHTING MEASURES****General Measures** If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.**Flammability Conditions** Non-combustible; however, following evaporation of aqueous component, residual material can burn if ignited.**Extinguishing Media** Use dry chemical, Carbon dioxide (CO<sub>2</sub>), foam or water spray for extinction.**Fire and Explosion Hazard** Containers may explode when heated.**Hazardous Products of**

Combustion

Fire or heat may produce irritating, toxic and/or corrosive fumes, including Carbon oxides, Sulphur oxides.

**Special Fire Fighting**

Instructions

Contain runoff from fire control or dilution water - Runoff may pollute waterways.

**Personal Protective Equipment** Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform

may provide limited protection.

**Flash Point** No Data Available**Lower Explosion Limit** No Data Available**Upper Explosion Limit** No Data Available**Auto Ignition Temperature** No Data Available**Hazchem Code** No Data Available**6. ACCIDENTAL RELEASE MEASURES****General Response Procedure** Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material.**Clean up**

all spills immediately. Avoid breathing vapours and contact with eyes, skin and clothing.

**Clean Up Procedures** Collect recoverable product into labelled containers for recycling. Absorb residues with earth, sand or other non-combustible material and transfer to a suitable container for disposal (see SECTION 13).**Containment** Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas.**Decontamination** Wash area and prevent runoff into drains.**Environmental Precautionary**

Measures

Prevent, by any means available, spillage from entering drains or watercourse.

Evacuation Criteria Spill or leak area should be isolated immediately. Keep unauthorised personnel away.

Personal Precautionary

Measures

Use personal protective equipment as required (see SECTION 8). Large spill: Wear SCBA and chemical splash suit.

## **7. HANDLING AND STORAGE**

Handling Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing mist/vapours/aerosols and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Mix well before using and check pH value if stored for over 3 months or at high temperature conditions. In case material is frozen, melt evenly before use. Heat within 48 hours at no higher than 50

°C. Do not open drums while melting material. Do not use localised heat sources (e.g. drum or band heaters).

Storage Store in a cool, dry and well-ventilated place, out of direct sunlight. Optimal storage temperature 15 - 30 °C. Keep container tightly closed. Keep away from heat and sources of ignition - No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10).

Container Keep in the original container

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

General No specific exposure standards are available for this product.

Exposure Limits No Data Available

Engineering Measures A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection Equipment - Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Organic vapour/particulate filter respirator (refer to AS/NZS 1715 & 1716).

- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Splash goggles.

- Hand protection: Wear protective gloves. Recommended: Impervious gloves.

- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Lab coat or full protective suit; boots.

Special Hazards Precautions No information available.

Work Hygienic Practices Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

Biological Limits No information available.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State Liquid

Odour No information available.

Colour Yellow

pH 11.5 - 13.5 Neat (25°C)

Vapour Pressure No Data Available

Relative Vapour Density No Data Available

Boiling Point No Data Available

Freezing Point No Data Available

Specific Gravity No Data Available

Flash Point No Data Available

Bulk Density No Data Available

Corrosion Rate No Data Available

Decomposition Temperature No Data Available

Density No Data Available

Specific Heat No Data Available

Molecular Weight 316 g/mol

Octanol Water Coefficient No Data Available

Melting Point No Data Available

Appearance Liquid

Evaporation Rate No Data Available

Net Propellant Weight No Data Available

Auto Ignition Temp No Data Available

Solubility Soluble in water

Saturated Vapour Concentration No Data Available

Vapour Temperature No Data Available

Viscosity No Data Available

Volatile Percent No Data Available

VOC Volume No Data Available

Additional Characteristics No information available.

Potential for Dust Explosion Not applicable.

Fast or Intensely Burning

Characteristics

No information available.

Flame Propagation or Burning

Rate of Solid Materials

No information available.

Non-Flammables That Could

Contribute Unusual Hazards to a

Fire

No information available.

Properties That May Initiate or

Contribute to Fire Intensity

Non-combustible; however, following evaporation of aqueous component, residual material can burn if ignited.

Reactions That Release Gases

or Vapours

Fire or heat may produce irritating, toxic and/or corrosive fumes, including Carbon oxides, Sulphur oxides.

Release of Invisible Flammable

Vapours and Gases

No information available.

Particle Size No Data Available

Partition Coefficient No Data Available

## **10. STABILITY AND REACTIVITY**

General Information No information available.

Chemical Stability The product is stable.

Conditions to Avoid excessive heat (avoid heating >90 °C).

Materials to Avoid Incompatible/reactive with oxidising agents.

Hazardous Decomposition

Products

Fire or heat may produce irritating, toxic and/or corrosive fumes, including Carbon oxides, Sulphur oxides.

Hazardous Polymerisation Will not occur.

## **11. TOXICOLOGICAL INFORMATION**

General Information - Acute toxicity: Ingestion causes gastrointestinal tract irritation with nausea, vomiting, hypermotility, diarrhoea, and bloating. May also affect behaviour (ataxia, somnolence) and cardiovascular system.

- Skin corrosion/irritation: Causes skin irritation. Prolonged or repeated skin contact may cause allergic dermatitis.

- Eye damage/irritation: Causes serious eye irritation.

- Respiratory/skin sensitisation: No information available.

- Germ cell mutagenicity: No information available.

- Carcinogenicity: No information available.

- Reproductive toxicity: May cause adverse reproductive effects based on animal test data (No human data found).

- STOT (single exposure): Material is irritating to mucous membranes and upper respiratory tract.

- STOT (repeated exposure): Chronic ingestion may affect the liver. Prolonged or repeated inhalation may cause allergic respiratory reaction (asthma).

- Aspiration toxicity: No information available.

Ingestion Acute toxicity (Oral):

- LD50, Rat: >2,000 mg/kg [Supplier's SDS].

## **12. ECOLOGICAL INFORMATION**

Ecotoxicity Aquatic toxicity:

- LC50, Fish (Brachydanio rerio): 1 - 10 mg/l (96 h).

Persistence/Degradability Biodegradable (85 %, 28 d).

Mobility No information available.

Environmental Fate Prevent entry into drains and waterways.

Bioaccumulation Potential No information available.

Environmental Impact No Data Available

## **13. DISPOSAL CONSIDERATIONS**

General Information Dispose of contents/container in accordance with local/regional/national regulations.

Special Precautions for Land Fill Contaminated packaging: Empty containers should be taken for local recycling, recovery or waste disposal

## **14. TRANSPORT INFORMATION**

Land Transport (Australia)

ADG Code

Proper Shipping Name Alpha Olefin Sulphonate Liquid

Class No Data Available

Subsidiary Risk(s) No Data Available

No Data Available

UN Number No Data Available

Hazchem No Data Available

Pack Group No Data Available

Special Provision No Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

## **15. REGULATORY INFORMATION**

Environmental Protection Authority

Approval Code HSR006614

## **16. OTHER INFORMATION**

In case of poisoning call the Poison Information Centre, phone 131 126.

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... End of MSDS. ...