Safety Data Sheet
Cetyl Stearyl Alcohol
Revision 3, 22/08/2024

1. IDENTIFICATION

Product Name	**Cetyl Stearyl Alcohol**
Other Names	(C14-18) Alkyl alcohol; (C16-18) Alkyl alcohol; Alcohols, C16-18 [CAS#67762-27-0]; ALKONAT 1618 C30P; TA-1618
Uses	Intermediate; Cosmetics; Aluminium rolling lubricants.
Chemical Family	No Data Available
Chemical Formula	Unspecified
Chemical Name	Alcohols, C14-18
Product Description	No Data Available

Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Aurora Cleaning Supplies	F1 / 5 Bungaleen Court Dandenong South VIC 3175	03 9768 2669

Emergency Contact Details

For emergencies only; DO NOT contact these companies for general product advice.

Organisation	Location	Telephone
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

2. HAZARD IDENTIFICATION

Poisons Schedule (Aust) Not Scheduled

Globally Harmonised System

Hazard Classification	NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Signal Word	None

National Transport Commission (Australia)
Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Alcohols, C14-18	Unspecified	67762-30-5	100 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	IF SWALLOWED: Rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Get medical advice/attention if you feel unwell.
Eye	IF IN EYES: 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: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.
Inhaled	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing until recovered. If respiratory symptoms persist, get medical advice/attention. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult.
Advice to Doctor	Treat symptomatically.
Medical Conditions Aggravated by Exposure	No information available.

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	Combustible material; May burn but does not ignite readily.
Extinguishing Media	Use dry chemical, Carbon dioxide (CO2), alcohol-resistant foam or water spray for extinction - Do not use water jets.
Fire and Explosion Hazard	Potential dust explosion hazard: Fine dust may form explosive mixtures with air. Containers may explode when heated.
Hazardous Products of Combustion	Fire may produce irritating, toxic and/or corrosive fumes, including oxides of Carbon.
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) in combination with normal firefighting clothing (full fire kit).
Flash Point	154 °C [PMCC]
Lower Explosion Limit	1 %
	8 %

Upper Explosion Limit	
Auto Ignition Temperature	390 °C
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. Avoid dust formation. Avoid breathing dust/vapours and contact with eyes, skin and clothing.
Clean Up Procedures	Collect (solid) material and place it into suitable, properly labelled containers for disposal; if appropriate, cover with damp absorbent to avoid generating dust. Absorb (liquid) spill with earth, sand or other non-combustible material; Collect absorbed material and place it in suitable, properly labelled containers for disposal (see SECTION 13).
Containment	Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Prevent dust cloud.
Decontamination	No information available.
Environmental Precautionary Measures	Prevent entry into soils, drains and waterways.
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).

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 dust formation. Avoid breathing dust/vapours and contact with eyes, skin and clothing. Use personal protective equipment as required (see SECTION 8). Combustible material: Keep away from heat and sources of ignition - No smoking. Take precautionary measures against static discharge.
Storage	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep containers tightly closed. Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials (see SECTION 10).
Container	Keep in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	No value assigned for this specific material by Safe Work Australia. For dusts from solid substances without specific occupational exposure standards: - Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m3 (measured as inhalable dust). - New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m3; TWA = 3 mg/m3 (respirable dust).
Exposure Limits	No Data Available
Biological Limits	No information 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: None under normal use conditions. Wear respiratory protection in case of inadequate ventilation or, if determined by a risk assessment, an inhalation risk exists. Recommended: Organic vapour/particulate respirator, Filter type: A/P2 (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Wear safety glasses with side shields (or goggles). - Hand protection: Handle with gloves. Recommended: Impervious (protective) gloves. - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Wear overalls, safety shoes.
Special Hazards Precaustions	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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Pastilles
Odour	Mild, soapy
Colour	White
pH	No Data Available
Vapour Pressure	<1 mmHg (@ 22 °C)
Relative Vapour Density	No Data Available
Boiling Point	>249 °C
Melting Point	49 - 53 °C
Freezing Point	49 - 53 °C
Solubility	Insoluble in water
Specific Gravity	0.805 - 0.815 (Water = 1)
Flash Point	154 °C [PMCC]
Auto Ignition Temp	390 °C
Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	>204 °C
Density	0.805 - 0.815 g/cm3
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
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	Potential dust explosion hazard: Fine dust may form explosive mixtures with air.
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	Combustible material; May burn but does not ignite readily.
Reactions That Release Gases or Vapours	Fire may produce irritating, toxic and/or corrosive fumes, including oxides of Carbon.
Release of Invisible Flammable Vapours and Gases	No information available.

10. STABILITY AND REACTIVITY

General Information	No information available.
Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Avoid dust formation. Keep away from heat/extremes of temperature and sources of ignition. Avoid sunlight/Ionising radiation.
Materials to Avoid	Incompatible/reactive with strong oxidising agents.
Hazardous Decomposition Products	None under normal use conditions. Fire may produce irritating, toxic and/or corrosive fumes, including oxides of Carbon.
Hazardous Polymerisation	Does not occur.

11. TOXICOLOGICAL INFORMATION

General Information	Information on possible routes of exposure: - Ingestion: No adverse effects expected; Large amounts may cause nausea and vomiting. - Eye contact: Not expected to cause irritation; May cause physical irritation/discomfort. - Skin contact: Not expected to cause irritation; Repeated or prolonged skin contact may cause irritation. - Inhalation: Breathing in dust may cause respiratory irritation. Chronic effects: No information available.

Acute

Ingestion	Acute toxicity (Oral): - LD50, Rat: >2,000 mg/kg bw. [OECD 401].
Other	Acute toxicity (Dermal): - LD50, Rabbit: 8,000 mg/kg bw. (24 h) [Read-across (CAS#112-72-1)].
Inhalation	Acute toxicity (Inhalation): - LC50, Rat: >1.5 mg/L (1 h) [Read-across (CAS#112-72-1)].
Carcinogen Category	None

12. ECOLOGICAL INFORMATION

Ecotoxicity	Aquatic toxicity: COMPONENT: 1-Hexadecanol: - LC50, Fish (Rainbow trout, Donaldson trout (Oncorhynchus mykiss)): >0.4 mg/L (96 h) [OECD 203]. - EC50, Crustacea (Water flea (Daphnia magna)): >0.01 mg/L (48 h). - EL50, Chronic (Green algae (Desmodesmus subspicatus)): >1,000 mg/L (96 h) [OECD 201]. COMPONENT: 1-Octadecanol: - LC50, Fish (Rainbow trout, Donaldson trout (Oncorhynchus mykiss)): >0.4 mg/L (96 h) [OECD 203]. - EC50, Crustacea (Water flea (Daphnia magna)): 1,700 mg/L (48 h) [OECD 202]. - NOEC, Chronic (Green algae (Desmodesmus subspicatus)): >0.0011 mg/L (96 h) [OECD 201].
Persistence/Degradability	Readily biodegradable.
Mobility	Adsorption (soil/sediment): WWTP (Waste water treatment plant), 72 hours: COMPONENT: 1-Tetradecanol: log Koc: 6.03 COMPONENT: 1-Hexadecanol: log Koc: 5.15 COMPONENT: 1-Octadecanol: log Koc: 5.67
Environmental Fate	Prevent entry into soils, drains and waterways.
Bioaccumulation Potential	Non-bioaccumulative. COMPONENT: 1-Tetradecanol: log Kow: 5.5 COMPONENT: 1-Hexadecanol: log Kow: 6.65 COMPONENT: 1-Octadecanol: log Kow: 7.4
Environmental Impact	No Data Available

13. DISPOSAL CONSIDERATIONS

General Information	Dispose of contents/container in accordance with local/regional/national regulations. Can be incinerated, when in compliance with local regulations.

Special Precautions for Land Fill No information available.

14. TRANSPORT INFORMATION

Land Transport (Australia)
ADG Code

Proper Shipping Name	Cetyl Stearyl Alcohol
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.

Land Transport (Malaysia)
ADR Code

Proper Shipping Name	Cetyl Stearyl Alcohol
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.

Land Transport (New Zealand)
NZS5433

Proper Shipping Name	Cetyl Stearyl Alcohol
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.

Land Transport (United States of America)
US DOT

Proper Shipping Name	Cetyl Stearyl Alcohol
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.

Sea Transport
IMDG Code

Proper Shipping Name	Cetyl Stearyl Alcohol
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No
Comments	NON-DANGEROUS GOODS: Not regulated for SEA transport.

Air Transport
IATA DGR

Proper Shipping Name	Cetyl Stearyl Alcohol
Class	No Data Available
Subsidiary Risk(s)	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 AIR transport.

National Transport Commission (Australia)
Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

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

15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	Not Scheduled

Environmental Protection Authority (New Zealand)
Hazardous Substances and New Organisms Amendment Act 2015

Approval Code	Not Hazardous

National/Regional Inventories

Australia (AIIC)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	Not Determined
Europe (REACh)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Not Determined
Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

16. OTHER INFORMATION

Related Product Codes	CESTAL1000, CESTAL1001, CESTAL1002, CESTAL1003, CESTAL1004, CESTAL1005, CESTAL1006, CESTAL1007, CESTAL1008, CESTAL1009, CESTAL1010, CESTAL1011, CESTAL1012, CESTAL1013, CESTAL1014, CESTAL1015, CESTAL1016, CESTAL1017, CESTAL1018, CESTAL1019, CESTAL1020, CESTAL1021, CESTAL1030, CESTAL2000, CESTAL2001, CESTAL3000, CESTAL3001, CESTAL3002, CESTAL3003, CESTAL3010, CESTAL3100, CESTAL3500, CESTAL4000, CESTAL4100, CESTAL4200, CESTAL4300, CESTAL4400, CESTAL4700, CESTAL5000, CESTAL5500, CESTAL5600, CESTAL6100, CESTAL7000, CESTAL7001, CESTAL8000, CESTAL9000
Revision	3
Revision Date	22/08/2024
Key/Legend	**<** Less Than **>** Greater Than **AICS** Australian Inventory of Chemical Substances **atm** Atmosphere **CAS** Chemical Abstracts Service (Registry Number) **cm²** Square Centimetres **CO2** Carbon Dioxide **COD** Chemical Oxygen Demand **deg C (°C)** Degrees Celcius **EPA (New Zealand)** Environmental Protection Authority of New Zealand **deg F (°F)** Degrees Farenheit **g** Grams **g/cm³** Grams per Cubic Centimetre **g/l** Grams per Litre **HSNO** Hazardous Substance and New Organism **IDLH** Immediately Dangerous to Life and Health **immiscible** Liquids are insoluable in each other. **inHg** Inch of Mercury **inH2O** Inch of Water **K** Kelvin **kg** Kilogram **kg/m³** Kilograms per Cubic Metre **lb** Pound

LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or **L** Litre
m³ Cubic Metre
mbar Millibar
mg Milligram
mg/24H Milligrams per 24 Hours
mg/kg Milligrams per Kilogram
mg/m³ Milligrams per Cubic Metre
Misc or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm Millimetre
mmH2O Millimetres of Water
mPa.s Millipascals per Second
N/A Not Applicable
NIOSH National Institute for Occupational Safety and Health
NOHSC National Occupational Heath and Safety Commission
OECD Organisation for Economic Co-operation and Development
Oz Ounce
PEL Permissible Exposure Limit
Pa Pascal
ppb Parts per Billion
ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours
psi Pounds per Square Inch
R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
tne Tonne
TWA Time Weighted Average
ug/24H Micrograms per 24 Hours
UN United Nations
wt Weight