

SDS no. U4WNG0WB • Version 1.0 • Date of issue: 2024-01-07

GHS Product identifier

Product name	CETYL ALCOHOL
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CETYL ALCOHOL LR

Cetylic alcohol.

1-Hexadecanol.

Palmityl alcohol.

Alcohol C-16

Cetyl Alcohol LR

CL044-500G

Cetyl Alcohol LR

CP044

Recommended use of the chemical and restrictions on use

Perfumery, emulsifier, emollient, foam stabiliser in detergents, face creams, lotions, lipsticks, toilet preparations, chemical intermediate, detergents, pharmaceuticals, cosmetics, base for making sulfonated fatty alcohols, to retard evaporation of water when spread as a film on reservoirs, or sprayed on growing plants and laboratory reagent.

Supplier's details

Name ChemSupply Australia Pty Ltd

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Emergency phone number

CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

General hazard statement

Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

Not a hazardous substance or mixture.

GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

Mixtures

Molecular weight: 242.43

Components

Component	CAS no.	Concentration
Cetyl alcohol (EC no.: 253-149-0)	36653-82-4	< 100 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.		

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	First Aid Facilities: Maintain eyewash fountain in work area.
If inhaled	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
In case of skin contact	Wash skin with water using soap if available. If rapid recovery does not occur, obtain medical attention
In case of eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice if effects persist.
If swallowed	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically based on judgement of doctor and individual reactions of the patient.

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Small fire: Use dry chemical, CO₂, water spray or foam.

Large fire: Use water spray, fog or foam.

If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.

Specific hazards arising from the chemical

May re-ignite after fire is extinguished. Fire may produce irritating, poisonous and/or corrosive gases. Containers may explode when heated. Runoff may pollute waterways. Solids may melt and flow when heated or involved in a fire.

Special protective actions for fire-fighters

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid inhalation, contact with skin, eyes and clothing.

Wear protective clothing specified for normal operations (see Section 8)

Methods and materials for containment and cleaning up

Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

SECTION 7: Handling and storage

Precautions for safe handling

Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Wear suitable protective clothing.

Conditions for safe storage, including any incompatibilities

Store away from sources of heat or ignition. Store in well ventilated area. Store in a cool, dry place. Store below +30°C.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

Skin protection

Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.

Body protection

Clean clothing or protective clothing should be worn, preferably with an apron to prevent skin contact. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Respiratory protection

Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and

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Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Solid
Appearance	White waxy solid.
Color	No data available.
Odor	Odourless to faint rancid odour.
Odor threshold	No data available.
Melting point/freezing point	49.3°C
Boiling point or initial boiling point and boiling range	344°C at 760 mm Hg
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	> 110°C
Explosive properties	No data available.
Auto-ignition temperature	~235°C
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	Solubility in Water: Insoluble. Solubility in Organic Solvents: Easily soluble in diethyl ether, acetone, chloroform and slightly soluble in alcohol.
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	<1 hPa (20°C)
Evaporation rate	No data available.
Density and/or relative density	Specific Gravity: 0.818 g/cm3 (@ 49.5°C)
Relative vapor density	8.36
Particle characteristics	No data available.

Supplemental information regarding physical hazard classes

No data available.

Further safety characteristics (supplemental)

Other Information: Taste: Bland, Mild taste.

Refractive Index: 1.4283 (79°C)

SECTION 10: Stability and reactivity

Reactivity

Stable under normal conditions of storage and handling.

Chemical stability

Stable.

Possibility of hazardous reactions

Contact with oxidising materials may cause fire.

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Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

Incompatible materials

Oxidising agents, strong acids, humid air.

Hazardous decomposition products

Oxides of carbon.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Acute Toxicity - Oral: LD50 (rat): >5000 mg/kg.

Ingestion: May be harmful if ingested. Irritates mucosal membranes in the digestive tract. After absorption in large quantities narcosis may form.

Inhalation: May cause irritation to the respiratory tract and mucous membranes.

Skin corrosion/irritation

May be Irritating to skin.

Serious eye damage/irritation

May causes eye irritation.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

Chronic Effects: Absorption of large quantities via ingestion, inhalation or the skin may lead to narcosis.

SECTION 12: Ecological information

Persistence and degradability

Aerobic 28 days Result: 82.4% - Readily biodegradable (OECD Test Guideline 203)

Mobility in soil

No mobility data available for this product.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers.

Other disposal recommendations

Do not discharge this material into waterways, drains and sewers.

SECTION 14: Transport information

UN Number	None	
UN Proper Shipping Name	None	
14.3	Transport hazard class(es)	None
14.4	Packing group	None
Environmental hazards	None	
Special precautions for user	None	
Transport in bulk according to IMO instruments	None	

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Australia SUSMP

Poison Schedule: NS

SECTION 16: Other information

Further information/disclaimer

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Standard for the Uniform Scheduling of Medicines and Poisons, Commonwealth of Australia
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', July 2020.
Safe Work Australia, 'National Guide for Classifying Hazardous Chemicals', July 2020.
Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants, December 2019
Safe Work Australia, Hazardous Chemical Information System (HCIS), hcis.safeworkaustralia.gov.au
IATA, Dangerous Goods Regulations (DGR)
IMO, International Maritime Dangerous Goods Code (IMDG)