

Material Safety Data Sheet**STEARYL ALCOHOL****Section 1 - Product Identification**

Product Name : Stearyl Alcohol

Company Identification : Tradeasia International Pte. Limited

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Section 2 – Composition / Information on ingredients

CAS Number	112-92-5
Synonym	1-Octadecanol; Octadecyl alcohol
Formula	CH ₃ (CH ₂) ₁₇ OH

Section 3 – Hazard Identification**Classification of the substance or mixture**

Not a hazardous substance or mixture.

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

None

Hazards not otherwise classified (HNOC) or not covered by GHS: None

Section 4 – First-Aid Measures

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Skin Contact	Wash off with soap and plenty of water.
Eye Contact	Flush eyes with water as a precaution.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling and/or in section 11.**Indication of any immediate medical attention and special treatment needed:** No data available**Section 5 – Fire Fighting Measures****Extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.**Special hazards arising from the substance or mixture:** Carbon oxides

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: No data available

Section 6 – Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:

Avoid dust formation. Avoid breathing vapors, mist, or gas. For personal protection see section 8.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections: For disposal see section 13.

Section 7 – Handling & Storage

Handling	Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2
Storage	Keep container tightly closed in a dry and well-ventilated place.

Section 8 – Exposure Controls/Personal Protection (later)

Control parameters

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Exposure controls

Appropriate engineering controls: General industrial hygiene practice.

Personal protective equipment

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves.

Gloves must be inspected prior to use.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: No special environmental precautions required.

Section 9 – Physical and Chemical Properties

Appearance

Form: Solid

Color: Colorless

Odor: No data available

Odor Threshold: No data available

pH: No data available

Melting point/freezing point: 57°C (135°F)

Initial boiling point and boiling range: 335°C (635°F)

Flash point: 195°C (383°F)

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits: No data available

Vapor pressure: < 0.01 hPa (< 0.01 mmHg) at 38°C (100°F)

Vapor density: No data available

Relative density: 0.91 g/cm³

Water solubility: 0.001 g/l at 23°C (73°F) - slightly soluble

Partition coefficient (n-Octanol/water): log Pow: 7.4

Auto-ignition temperature: ca.269°C (516°F) at 1,013 hPa (760 mmHg)

Decomposition temperature: No data available

Viscosity: 4.0 mm²/s

Explosive properties: No data available

Oxidizing properties: No data available

Other safety information: No data available

Section 10 – Stability and Reactivity

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available

Conditions to avoid: No data available

Incompatible materials: Strong oxidizing agents, Strong acids

Hazardous decomposition products: No data available

In the event of fire: see section 5

Section 11 – Toxicological Information

Acute toxicity

LD50 Oral - Rat - male and female: > 5,000 mg/kg

(OECD Test Guideline 401)

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 4 h

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation

(OECD Test Guideline 405)

Respiratory or skin sensitization

Maximisation Test (GPMT) - Guinea pig

Does not cause skin sensitisation.

(OECD Test Guideline 406)

Germ cell mutagenicity

Ames test

S. typhimurium

Result: negative

Mutagenicity (micronucleus test)

Mouse - male

Result: Negative

Carcinogenicity

Carcinogenicity - Mouse - Implant

Tumorigenic: Neoplastic by RTECS criteria. Kidney, Ureter, Bladder: Tumors.

IARC: No component of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Developmental Toxicity - Rat - Oral: No adverse effect has been observed in chronic toxicity tests.

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information

Repeated dose toxicity - Rat - male and female - Oral: No observed adverse effect level -

1,000 mg/kg

RTECS: Not available

Section 12 – Ecological Information

Toxicity

Toxicity to fish semi-static test LC50 - Danio rerio (zebra fish): > 10,000 mg/L - 96 h

(OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia magna (Water flea):

1,700 mg/L - 48 h

(OECD Test Guideline 202)

Toxicity to algae static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus): 250 mg/L -

96 h

(OECD Test Guideline 201)

Persistence and degradability

Biodegradability aerobic - Exposure time 28 d

Result: 95.6 % - Readily biodegradable.

(OECD Test Guideline 301B)

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: No data available

Section 13 – Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14 – Transport Information

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Section 15 – Regulatory Information

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA Hazards

Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components

Octadecan-1-ol (CAS-No. 112-92-5)

New Jersey Right to Know Components

Octadecan-1-ol (CAS-No. 112-92-5)

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

HMIS Rating

Health: 0

Flammability: 1

Reactivity: 0

NFPA Rating

Health: 0

Flammability: 1

Reactivity: 0

Section 16: Additional Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.