



PT. MUSIM MAS
Fatty Alcohol, Methyl Esters and Derivatives

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product Identification

Product Name : Cetyl Alcohol
Trade Name : MASCOL 16/98, MASCOL 16/98F, MASCOL 16/98P,
MASCOL 16/99, MASCOL 16/99F, MASCOL 16/99P
Other Identifier : 1-Hexadecanol, Palmityl alcohol
Recommended Use : Cosmetic base product for industrial purpose. General chemicals,
as they are used in many ways in the chemicals industry.

Company Identification

Manufacturer Name : PT Musim Mas
Address : Jl. Oleo, Kawasan Industri Medan II,
Seantis - Percut Sei Tuan, Deli Serdang
Medan 20371 - Indonesia
Telephone Number : 62-61-6871123
Fax Number : 62-61-6871152 / 6871153
Email Address : oleo@musimmas.com
Emergency Telephone Number : +62-8116054139

2. HAZARD IDENTIFICATION

GHS Classification
Physical Hazard : Not classified as hazardous substance
Health Hazard : Not classified as hazardous substance
Environmental Hazard : Not classified as hazardous substance
GHS Label Element
Hazard Symbol : Not applicable
Signal Word : Not applicable
Hazard Statement : Not applicable
Precautionary Statement : Not applicable
Other Hazard : No information available

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Substance

Chemical Name : 1-Hexadecanol,
Synonym : Cetyl Alcohol, Palmityl Alcohol
CAS No : 36653-82-4
EINECS No : 253-149-0
Ingredients or impurities that
contribute to hazard : This product doesn't have impurities that contribute to the hazard
classification.

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4. FIRST AID MEASURES

- Eye Contact** : 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/attention.
- Skin Contact** : Gently wash with plenty of soap and water.
- Ingestion** : Call a POISON CENTER or doctor/physician if you feel unwell.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Most important symptoms/effects, acute and delayed**
: No information available
- Indication of immediate medical attention and special treatment needed**
: No information available

5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media** : Powder, alcohol resistant foam, carbon dioxide.
- Unsuitable Extinguishing Media** : No information available
- Specific hazards arising from the substances or mixture** : Combustible material, vapours are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.
- Special Protective equipment for fire-fighters** : Use safety goggles in combination with dust mask, and other protection as appropriate to situation
- Special Protective action for fire-fighters :** : Keep away from source of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Use safety goggles and protective gloves.
Large spills : Remove person to safety. Ensure adequate ventilation.
- Environmental precautions** : Avoid release to the environment.
- Methods and materials for containment and cleaning up** : Small spills : Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth.
Large spills : Dike spills and dispose of in safe area.



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7. HANDLING AND STORAGE

- Precautions for safe Handling : Use an adequate ventilation.
Wash thoroughly after handling.
Used personal protective equipment as required.
- Conditions for safe storage including any incompatibilities : Store container tightly closed in well-ventilate place.
Do not store together with oxidizing agents.
Keep away from source of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Limit (EH40)

Chemical Name	Exposure limit	Category	Origin
1-Hexadecanol	20 ml/m ³ (ppm); 200 mg/m ³	TWA (8 h); STEL (15 min)	AGW

- Appropriate Engineering Controls : Facilities storing or utilizing this materials should be equipped with an eyewash facilities and safety shower
- Individual Protection Measures, such as personal protective equipment
- Eye/Face Protection : Tightly seal safety glasses.
- Skin Protection : Wear suitable protective clothing and glove (butyl rubber, nitrile rubber).
- Respiratory Protection : If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.
- Thermal Hazards : Not applicable
- Environmental Exposure Controls : Do not empty into drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Information

Appearance

- Physical State : Solid, pastilles or flake
- Colour : Colourless when liquid, white when solid
- Odour : Mild fatty
- Odour threshold : No information available
- pH : No information available
- Melting Point/freezing point : 49°C
- Initial Boiling point and boiling range : 319°C
- Flash point : 149°C PMCC
- Evaporation Rate : No information available
- Flammability (solid, gas) : No information available
- Upper/lower flammability or explosive limits : No information available
- Vapour pressure : 0.28 Pa at 38°C
- Vapour density : No information available
- Relative density : 0.811 g/cm³ @ 60°C
- Solubility : Water solubility : < 1 mg/L at 23°C
Solvent solubility: Soluble in general organic solvent



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Partition coefficient :n-octanol/water : log Pow : 6.7
Auto-ignition temperature : Approx 272°C
Decomposition temperature : No information available
Viscosity : 3.39 mm²/s @100°C
Explosive properties : No information available
Oxidizing properties : No information available
Other information : No information available

10. STABILITY AND REACTIVITY

Reactivity : Stable in general
Chemical stability : Stable in general
Possibility of hazardous reactions : No information available
Conditions to avoid : Do not expose to extreme heat or flame
Incompatible materials : Strong oxidizing agents
Hazardous decomposition products : Carbon Monoxide
Complete combustion forms carbon dioxide and water.
Partial combustion also forms carbon monoxide, soot, aldehydes,
and ketones

11. TOXICOLOGICAL INFORMATION

Acute toxicity : Oral : Rat, LD50 >2000 mg/kg
Dermal: Rat, LD50 >2000 mg/kg
Inhalation: Rat, LD50 > 0.014 mg/L
Skin corrosion/irritation : Non
Serious eye damage/irritation : Non
Respiratory or skin sensitization : Negative
Mutagenicity : Negative
Carcinogenicity : Negative
Reproductive toxicity : Negative
STOT-single exposure : No information available
STOT-repeated exposure : No information available
Aspiration Hazard : No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity : LC50
Species : *Salmo gairdneri*
Dose : > 0.4 mg/L
Exposure time : 96 h
Persistence and Degradability : Readily biodegradable
Bioaccumulative potential : Octanol-water partition coefficient : log Pow: 6.55



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Mobility in soil : No information available
Result of the PBT and vPvB assessment : No information available
Other adverse effects : Additional ecological information : Do not allow to run into surface waters, wastewater or soil.

13. DISPOSAL CONSIDERATIONS

Disposal methods : Dispose of content/container to an approved waste disposal plant.
Dispose only in accordance with local, state and federal regulations.
Do not dispose via sinks, drains or into the immediate environment.

14. TRANSPORT INFORMATION

Land Transport (US-DDT) : Not classified
Land Transport (ADR/RID) : Not classified
Sea Transport (IMDG Code) : Not classified
Air Transport (IATA) : Not classified
Inland waterways Transport (ADN) : Not classified
Transport in Bulk (Annex II of MARPOL 73/78 and the IBC code)
Product Name : Alcohol (C13+)
Ship Type : 2
Pollution category : Y

15. Regulatory Information

Inventories List
AICS (Australia) : Listed
DSL (Canada) : Listed
NDSL (Canada) : No
IECSC (China) : Listed
EINECS (EU) : 253-149-0
ENCS (Japan) : 2-217
ECL (Korea) : KE-18460
NZIoC (New Zealand) : HSR003844
PICCS (Philippines) : Listed
TSCA (USA) : Listed
Chemical Safety assessment : No information available.

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16. OTHER INFORMATION

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