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SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Cetyl Alcohol
CAS NO: 36653-82-4
INCI Name: Cetyl Alcohol

1.2 RELEVANT USAGE OF ITEM

Raw material for cosmetic formulations.

1.3 Supplier Information

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SECTION 2 – HAZARDS IDENTIFICATION

No general hazard statement under normal storage and uses.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

EC Number: 253-149-0
Molecular Formula: C₁₆H₃₄O
Molecular Weight: 242.45g/mol
Impurities and Stabilizing Additives: Max. 5%

SECTION 4 – FIRST AID MEASURES

Upon inhalation: Remove to fresh air, consult physician if breathing is irregular or stopped.
Upon ingestion: Wash mouth with lots of water if conscious and consult physician immediately.
Upon contact with eyes: Rinse out thoroughly with water for minimum 15 minutes, consult physician.
Upon contact with skin: Wash with soap and water, seek medical attention if irritations persist.

SECTION 5 – FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Use water spray, dry powder, foam, or CO₂.

5.2 Advice and Precaution for Fire-Fighters

As in any fire, wear full protective gear with self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal Precaution

Wear respirator, chemical safety goggles, rubber boots and gloves.

6.2 Environmental Precaution

Do not allow product into drain or water course.

Do not flush into surface water or sanitary sewer system.

6.3 Containment and Cleaning Up

Sweep up, place in bag for waste disposal.

Ventilate area and wash spill site after picking up is complete.

SECTION 7 – HANDLING AND STORAGE

Keep in container, and store in cool, dry, and well-ventilated area.

Do not breathe in the dust, and avoid contact with eyes, skin, and clothing.

Avoid repeated or prolonged exposure, and wash thoroughly after handling.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 General Protective and Hygienic Measures

Observe the usual precautions for handling chemicals.

Wear respirator, chemical safety goggles, rubber boots and gloves.

Do not eat or drink while working.

Store protective clothing separately.

Wash your hands thoroughly after handling.

8.2 Breathing Equipment

Use MSHA-approved respirator.

In case of emergency, respirator protection must be worn.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	White flakes
Color:	White
Odour:	N/A
Melting Point:	50°C
Boiling Point:	305°C to 330°C
Flash Point:	180°C
Ignition Temperature:	250°C
Vapor Pressure at 38°C:	0.0021mmHg
Density at 60°C:	0.81

SECTION 10 – STABILITY AND REACTIVITY

10.1 Chemical Stability

Product is chemically stable.

10.2 Possibility of Hazardous Reaction

No dangerous reaction known.

10.3 Conditions to Avoid

Strong acids, oxidizing agents.

Avoid formation of dust.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity (LD/LC50 Values for Classification)

Oral: LD50 > 5000gm/kg (rat)

Dermal: LD50 8000mg/kg (rabbit)

11.2 Primary Irritant Effect

Skin irritation to rabbit (New Zealand white species)

Eye irritation to rabbit (New Zealand white species)

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Persistence and Degradability

The substance is readily biodegradable in water.

12.2 Bioaccumulative Potential

Bioconcentration factor (BCF) = 56 [Golden orfe fish (*Leuciscus idus melanotus*)], BCF <2000 L/kg, hence not bioaccumulative.

12.3 Mobility in Soil

The Koc of 1-hexadecanol is 25,000 (estimated), this estimated Koc value suggests that 1-hexadecanol is expected to be immobile in soil.

12.4 Ecotoxicological Effects

Water solubility = 0.013 mg/L at 25°C

(n) based on nominal concentrations (>LoS): EC50 observed was greater than the limit of solubility of at least some constituents of the substance.

SECTION 13 – DISPOSAL CONSIDERATION

The product should not get into any kind of water without treatment.

Contact a licensed professional waste disposal service to dispose this material.

Dispose in accordance with all local and national regulations.

Do not contaminate ponds, waterways, or ditches.

Do not reuse containers.

SECTION 14 – TRANSPORTATION INFORMATION

Not restricted for transportation purposes.

SECTION 15 – DISCLAIMER

All information provided in this SDS is correct to the best of our knowledge at the time of its publication. The information serves only as a guide for usage, processing, storage, safe handling, transportation, and disposal. It is not a warranty or quality inspection. The information is only applicable to the specific material designated and may not be valid when the material is used in combination with any other material or in any process, unless specified in this document.