

## M A T E R I A L   S A F E T Y   D A T A   S H E E T

Company Name: Musashino Chemical Laboratory, Ltd.  
 Head Office: Yaesu-DAIBIRU Bldg., 1-1, Kyobashi  
 1-Chome, Chuo-ku, Tokyo 104-0031 JAPAN  
 Factory: Isohara Plant  
 1077-2, Isohara, Isohara-Machi, Kitaibaraki-shi,  
 Ibaraki-ken, Japan 319-1541  
 Charge Department: Isohara Plant Quality Control Department  
 Responsibility for MSDS: Quality Control Manager Masanobu Yamagata  
 MSDS Preparation Date July 1, 2007

Trade Name	CETYL LACTATE
Name	CETYL LACTATE (2-Hydroxypropanoic acid hexadecyl ester )
Formula	$\text{CH}_3\text{CH}(\text{OH})\text{COOC}_{16}\text{H}_{33}$
MITI No.	(2)-2742 (Law Concerning Examination and Regulation of Manufacture, etc., of Chemical Substances)
CAS No.	35274-05-6

## Hazards Identification

Hazards Class Not applicable

## First Aid

## Skin Contact

Wash skin with soap.

## Eye Contact

Immediately flush eyes with plenty of water at least 15 minutes.  
 Immediately remove contact lenses if wore.  
 If irritation persists, call a physician.

## Ingestion

If swallowed, give large quantities of water or solution of salt.  
 Call a physician immediately.

## Fire Fighting Measures

## Fire Extinguish

Remove a source of fire. In case of small fire, use water spray.

## Extinguishing Media

Dry chemical, Foam concentrate.

## Leakage

(being melted)

Cool and solidify.

Pick the material up and recover.

Treatment, disposal must be in accordance with applicable local regulations.

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**Handling and Storage****Handling**

Treat the material with care in melted material.

**Storage**

Keep container tightly closed.

Store in areas shielded the light, and below room temperature.

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**Exposure Controls****Protection**

Wear suitable protective clothing, gloves and eye protection.

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**Physical and Chemical Properties**

Appearance Almost odorless, white soft solid.

Boiling Point 170°C (1.33 × 10<sup>2</sup> Pa)

Melting Point 37~44°C

Specific Gravity 0.893~0.905(30/25)

Acid Value less than 2

**Saponification**

Value 174~189

Solubility Insoluble in water. Soluble in ethyl alcohol and ethyl ether.

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**Hazards Information**

Flash Point 200°C (Cleveland open cup)

**Heat of**

combustion 8880 cal/g

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**Toxicological Information (Health Hazards Information) 1)**

Acute toxicity LD<sub>50</sub> > 20g/kg bw. (rat, oral)

Irritation not observed (rabbit, skin)

Sensitization not observed (guinea pig, skin)

Subchronic toxicity not observed

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**Ecological Information**

Not applicable

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**Disposal Information**

Treatment, storage, transportation and disposal must be in accordance with local regulations.

Burning up the materials with combustibles.

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**Transport Information**

The materials transportation by vehicles, the sender serves deliverers with instructions for safe handling.

In transportation confirm leakless of the container, and load the materials not to upset, fall and damage.

Secure preventing the load from falling.

Treat the material sanitarily and avoid high temperature and high moisture.

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**Regulatory Information**

JAPAN      Cosmetics raw materials(Pharmaceutical Affairs Law)

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**Additional Information**

## Inquiry about informations

Address : Musashino Chemical Laboratory, Ltd.

Sales Division, Sales Administration Section

Yaesu-DAIBIRU Bldg., 1-1, Kyobashi

1-Chome, Chuo-ku, Tokyo 104-0031 JAPAN

Tel: 03(3274)5502

Fax:03(3275)2206

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**References**

- 1) "Revaluation for safety of cosmetic materials"  
published by Fragrance Journal Co.  
(Japanese)

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While MSDS presented here is correct and reliable to the best of our knowledge and belief, because we do not control any applications and conditions of use, they are given without guarantee, and we assume no responsibility with respect thereto.

The information on products is intended for common products use, so care for extraordinary handling.

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End of MSDS

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