



**UENO FINE CHEMICALS INDUSTRY,LTD.**

Date first issue: Oct.18, 2006

Revision date: June 3 ,2009

**Product Code #8762**

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name : UENO METHYL PARABEN NF  
 Product code : MOB-TP  
 Supplier : Ueno Fine Chemicals Industry, Ltd.  
 2-4-8 Koraibashi, Chuo-Ku, Osaka 541-8543, Japan  
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 RTD\*HalStar, Inc.,  
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 Ester Solutions Company,  
 Memphis Solutions Company, and  
 Marine Magnesium & Minerals Company

### 2. HAZARD IDENTIFICATION

Physical/chemical hazards: Dust in confined conditions can be dangerous and may cause fire or explosion.  
 Environmental hazards : Information not available  
 Human health hazards : Slightly irritating to eyes and skin.  
 Slightly cause coughing if inhaled.  
 None-hazardous in terms of international regulation.

### 3 .COMPOSITION/INFORMATION ON INGREDIENTS

Substance : Methyl p-Hydroxybenzoate 99.0% min.

Chemical Name	CAS Number	EC Number	Symbol	R-Phrases
Methyl p-Hydroxybenzoate	99-76-3	202-785-7	-	-

### 4. FIRST AID MEASURES

#### Effects and symptoms

Ingestion : Numbed tongue. May cause vomiting if ingested large amount.  
 Inhalation : Irritating to nose and throat. May cause coughing and nausea.  
 Skin contact : Dust and long or repeated contact may irritate and cause sensitization.  
 Eye contact : May cause irritation.



### First aid measures

Ingestion : Give a plenty of water and call medical care. If fallen unconscious or convulsion, get medical attention immediately.

Inhalation : Remove to fresh air. Call a physician.

Skin contact : Wash thoroughly with soap and rinse with plenty of water.

Eye contact : Directly flush with water and call an oculist.

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## 5. FIRE FIGHTING MEASURES

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Suitable : Powder fire extinguisher, CO2 foaming fire extinguisher, water.  
Extinguishing media appropriate to surrounding materials.

Not suitable : None in particular

Special fire-fighting procedures : None in particular

Unusual fire-explosion hazards : None in particular

Hazardous thermal(de)composition products : May evolve irritating or poisonous fumes.

Protection of fire-fighters : Fire protectors, gas mask, heat resistant gloves

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## 6. ACCIDENTAL RELEASE MEASURES

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Personal Precautions : Avoid inhalation and direct contact with skin and eye.

Environmental Precautions : Prevent entry into drains. Avoid creating dust.

Methods of Cleaning Up : Sweep up and put in seal tight container and incinerate.  
Flush away residues with water.

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## 7. HANDLING AND STORAGE

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Handling : Wear protectors to avoid dust inhalation and direct contact with skin and eyes.

Storage : To be stored under cool, dry and dark condition.  
Take precautionary measures against static discharges.

### Packing Materials

Suitable :



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures : Mechanical extraction if the natural ventilation is poor.

Hygienic Measures : None in particular

Occupational Exposure Limits: No occupational exposure limit is established by OSHA, ACGIH or NIOSH.

### Personal protective equipment

Respiratory system : Dust respirator  
 Skin and body : Arm protectors, Apron  
 Hands : Rubber gloves  
 Eyes : Goggles

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Crystalline powder  
 Color : White  
 Odor : Odorless or faint characteristic odor  
 Boiling Point : 270 - 280 deg. c.  
 Melting Point : 125 - 128 deg. c.  
 pH : 4.3  
 Solubility in Water : 0.25 gm / 100 gm at 25 deg. c.  
 Vapor Density(Air=1) : data not available  
 Flash Point : 168 deg. c.  
 Autoignition Temperature : higher than 600 deg. c.  
 Lower Explosion Limit : 15 mg / l  
 Upper Explosion Limit : data not available

## 10. STABILITY AND REACTIVITY

Stability : Stable in ambient conditions.  
 Conditions to avoid : Direct sunbeams, High humidity and water  
 Materials to avoid : Alkaline substances, Strong oxidizers



Hazardous Decomposition Products : If involved in a fire, fumes with COB<sub>2</sub>B, CO or Phenol may be evolved.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity -

Oral : LD50 >8000 mg/kg(mouse)P<sup>1)P</sup>

I.P. : LD50 960 mg/kg(mouse)P<sup>1)P</sup>

Inhalation : No significant toxic effect reported.

Eye irritation : Saturated aqueous solutions may cause moderate irritation.

Chronic toxicity : No adverse effect recognized on dogs that were fed 0.5 gm and 1.0 gm per 1 kg body weight for one year.P<sup>1)P</sup>

Feeds containing 2% and 8% Methylparaben had been given to two groups of rats for 96 weeks. There was no significant difference recognized in pathological tests between the two groups of the rats which were given the feeds with 2% and 8% Methylparaben except for the delay of increase of body weight on the rats in the group which had been given the feed with 8% Methylparaben.P<sup>1)P</sup>

Sensitization : Long term or repeated contact may cause sensitization.

There was no sensitization found on human skin on which the gauze soaked with 5% solution of Methylparaben in Propylene Glycol had been applied for 5 days.P<sup>1)P</sup>

Carcinogenicity : No carcinogenicity found on mouse which had been applied Methylparaben twice a week for 18 months in the vagina.P<sup>2)P</sup>

## 12. ECOLOGICAL INFORMATION

Ecotoxicity : Information not available

## 13. DISPOSAL CONSIDERATIONS

Method of disposal : Dissolve in flammable solvent and burn out in incinerator.



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#### 14. TRANSPORTATION INFORMATION

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UN number : Not classified by UN.

Land-Road/Railway

ADR/RID Class : n/a

ADR/RIF Item Number : n/a

Inland Waterways

ADNR Class : n/a

Sea

IMDG Class : n/a

IMDG Page Number : n/a

Air

IATA-DGR Class : n/a

National transport : n/a

Regulations

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#### 15. REGULATORY INFORMATION

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EC Regulations

EC Classification : n/a

Label Name : n/a

Hazard Symbols : n/a

Risk Phrases

R : n/a

Safety Phrases

S : n/a

National regulations : n/a

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#### 16. OTHER INFORMATION

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1) C. Matthews, J. Davidson, E. Bauer, J. Morrison and A. Richardson.



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“p-Hydroxybenzoic acid esters as preservatives II Acute and chronic toxicity in dog , rats, and mice”, J. Am. Pharm. Assoc. Sci. Ed. , 45:260-267(1956)

- 2) E. Boyland, R. Charles, and N. Gowing. “The induction of tumours in mice through intervaginal application of chemical compounds”, Br. J. Cancer, 15:252-256(1961)

#### History

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Descriptions above are made up on the basis of the data and information currently available, and they may be revised at any moment in accordance with new knowledge, observations and examinations. However, we make no warranty, expressed or implied, as to composition, physical and chemical properties, hazards and toxicity data described above. Instructions and remarks made above are provided with a view to ordinary use and handling of the substance, whereas in the case of special handling of the substance, appropriate safety measures should be taken that suit the special application and usage.