



**JUNSEI**

## Material safety data sheet

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### SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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Catalog Numbers: 59316

Catalog Name: Methyl parahydroxybenzoate (The Japanese Pharmacopoeia)

Creation date: August 21, 2006

#### Company Identification:

Junsei Chemical Co., Ltd.

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### SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

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COMPONENT: Methyl parahydroxybenzoate

SYNONYMS: Methyl p-hydroxybenzoate, 4-Hydroxybenzoic acid methyl ester;

Methyl paraben; Methyl 4-hydroxybenzoate

CAS NUMBER: 99-76-3

US TSCA: inventory

EC NUMBER (EINECS): 202-785-7

JAPAN NUMBER (ENCS): 3-1585

PERCENTAGE: (GR)99.0+%

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### SECTION 3 HAZARDS IDENTIFICATION

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#### EMERGENCY OVERVIEW

Not available.

#### Potential Health Effects

Eye:

May cause moderate eye irritation.

Skin:

May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

Ingestion:

May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Repeated exposure may cause sensitization dermatitis.

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SECTION 4 FIRST AID MEASURES

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Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

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SECTION 5 FIRE FIGHTING MEASURES

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General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air.

Extinguishing Media:

Use water spray, dry chemical, or carbon dioxide.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

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General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Avoid runoff into storm sewers and ditches which lead to waterways. Wear a self contained breathing apparatus and appropriate Personal protection. (See Exposure Controls, Personal Protection section). Sweep up, then place into a suitable container for disposal.

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SECTION 7      HANDLING AND STORAGE

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Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale.

Storage:

Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

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SECTION 8      EXPOSURE CONTROLS, PERSONAL PROTECTION

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Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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SECTION 9      PHYSICAL AND CHEMICAL PROPERTIES

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Physical State:	Crystalline powder
Appearance:	white
Odor:	Not available.
pH:	Not available.
Vapor Pressure:	Negligible.
Viscosity:	Not available.

Boiling Point: 140-141deg C/11torr.  
Freezing/Melting Point: 126.00 - 128.00 deg C  
Autoignition Temperature: Not available.  
Flash Point: Not available.  
Explosion Limits, lower: Not available.  
Explosion Limits, upper: Not available.  
Decomposition Temperature:  
Solubility in water: 0.25% IN WATER (20 deg C)  
Specific Gravity/Density:  
Molecular Formula: HOC6H4CO2CH3  
Molecular Weight: 152.15

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## SECTION 10 STABILITY AND REACTIVITY

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### Chemical Stability:

Stable under normal temperatures and pressures.

### Conditions to Avoid:

Incompatible materials.

### Incompatibilities with Other Materials:

Strong oxidizing agents, strong bases.

### Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

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## SECTION 11 TOXICOLOGICAL INFORMATION

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RTECS# 99-76-3: DH2450000

### Acute Toxicity

LD50 = 2100mg/kg Oral rat  
LD50 > 8g/kg Oral mouse  
LD50 = 6g/kg Oral rabbit  
LD = 3000mg/kg Oral rabbit  
LD50 = 3g/kg Oral guinea pig  
LD = 3000mg/kg Oral dog  
LD50 = 960mg/kg intraperitoneal rat  
LD50 = 960mg/kg intraperitoneal mouse  
LD50 = 125mg/kg intraperitoneal mouse  
LD50 = 1.2g/kg subcutaneous mouse  
TDLo = 165mg/kg subcutaneous mouse  
LD50 > 500mg/kg subcutaneous rat  
TDLo = 100mg/kg intravenous mouse  
TDLo = 2.5mg/kg intravenous mouse

### Irritation data

Skin rabbit 0.1mL 24H Mild  
Skin rabbit 0.5mL 21D-I Moderate  
Skin human 10%/5D-I

Carcinogenicity:

Methyl 4-hydroxybenzoate -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Other:

See actual entry in RTECS for complete information.

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SECTION 12 ECOLOGICAL INFORMATION  
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IC50 = 125340ug/L /2day Ciliate

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SECTION 13 DISPOSAL CONSIDERATIONS  
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Dispose of in a manner consistent with federal, state, and local regulations.

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SECTION 14 TRANSPORT INFORMATION  
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IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

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SECTION 15 REGULATORY INFORMATION  
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European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# : No information available.

CAS# 99-76-3: 2

United Kingdom Occupational Exposure Limits

Canada

CAS# 99-76-3 is listed on Canada's DSL List.

CAS# is not listed on Canada's Ingredient Disclosure List.

CAS# 99-76-3 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# is not listed on the TSCA inventory.  
It is for research and development use only.  
CAS# 99-76-3 is listed on the TSCA inventory.

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SECTION 16    OTHER INFORMATION  
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