



**JUNSEI**

## Material safety data sheet

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### SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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Catalog Numbers: 47099

Catalog Name: (JP) Dextrin hydrate  
(JP : The Japanese Pharmacopoeia)

Company Identification:

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Web: <http://www.junsei.co.jp/>

CREATION DATE: March 8, 2012

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### SECTION 2 HAZARDS IDENTIFICATION

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Physical and chemical hazard

Pyrophoric solids : Out of category

Human health hazard : Not possible to classify

Environmental hazard : Not possible to classify

GHS label elements including precautionary statements

Symbol : -

Signal ward : -

Hazard statement : -

Precautionary statements : -

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### SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

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Substance/Mixture : Substance

Component : Dextrin hydrate

Synonyms : Dextrin

Chemical formula :  $(C_6H_{10}O_5)_n \cdot XH_2O$

Cas number : 9004-53-9

US TSCA inventory : Registered

EC number (EINECS) : 232-675-4

JAPAN number (ENCS) : Not Registered

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### SECTION 4 FIRST AID MEASURES

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If inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

- If on skin : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- If in eyes : Rinse cautiously with water for several minutes. Remove contact lenses ,if present and easy to do. Continue rinsing. If eyes irritation persists, get medical advice/attention.
- If swallowed : Rinse mouth, give plenty of water to dilute. Do not induce vomiting. Get medical immediately.

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SECTION 5 FIRE FIGHTING MEASURES  
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- Extinguishing media : Water spray, dry chemical powder, alcohol-resistant foam, carbon dioxide
- Prohibited extinguishing media : -
- Particular fire fighting : Move containers form fire area if it can be done without risk, if not possible, apply water form a safe distance to cool and protect surrounding area.
- Protection for firefighters : Firefighters should wear protective equipment.

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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.
- Cautions for environment : Avoid release to the rivers, lakes, ocean, groundwater.
- Spills/Leak : Vacuum or sweep up material and place into a suitable disposal container.

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SECTION 7 HANDLING AND STORAGE  
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- Handling: : Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood. Avoid dust explosion, take precautionary measures against electrostatic charging and dust explosion.
- Storage : Store in a cool, dry place. Store in a tightly closed container. Keep away from strong oxidants.

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SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION  
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- Engineering Controls : Use adequate ventilation to keep airborne concentrations low.
- Occupational exposure limits: -
- Personal protective equipment :
- Eye Protection : Goggles
  - Hand Protection : Protective gloves
  - Skin and body protection : Wear appropriate protective gloves and clothing to prevent skin exposure.
  - Respiratory Protection : Wear respiratory protection.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES  
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- Physical State : Solid
- Appearance : White or light yellow amorphous powder or granules.

Odor : Slight characteristic odor  
pH : Not available  
Melting Point : Not available  
Boiling Point : Not available  
Flash Point : Not available  
Explosion Limits, lower : 71-99 g/Nm<sup>3</sup>  
Explosion Limits, upper : Not available  
Vapor Pressure : Not available  
Solubility : Freely soluble in boiling water, soluble in water, and practically insoluble in ethanol and in diethyl ether.  
Distribut.coeff. n-octanol/water: Not available  
Ignition Temperature : approx. 400  
Decomposition Temperature : Not available

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## SECTION 10 STABILITY AND REACTIVITY

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Chemical Stability : Stable in ordinary handling conditions.  
Conditions to Avoid : None known  
Incompatibilities with Other Materials : Strong oxidizing agents.  
Hazardous Decomposition Products: Carbon monoxide  
Hazardous Polymerization : Will not occur.

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## SECTION 11 TOXICOLOGICAL INFORMATION

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Acute toxicity:  
Oral : : Not possible to classify because of no data.  
Dermal : Not possible to classify because of no data.  
Gas : Not applicable ( GHS definition ).  
Vapours : Not possible to classify because of no data.  
Dust/mist : Not possible to classify because of no data.  
Skin corrosion/Irritation: Not possible to classify because of no data.  
Serious eye damage/eye irritation: Not possible to classify because of no data.  
Respiratory sensitization: Not possible to classify because of no data.  
Skin sensitization: Not possible to classify because of no data.  
Mutagenicity: Not possible to classify because of no data.  
Carcinogenic effects: Not possible to classify because of no data.  
Specific target organ systemic toxicity single exposure  
: Not possible to classify because of no data.  
Specific target organ systemic toxicity repeated exposure  
: Not possible to classify because of no data.  
Aspiration hazard :Not possible to classify because of no data.

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## SECTION 12 ECOLOGICAL INFORMATION

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Ecotoxicity:  
Hazardous to the aquatic environment (acute) : Not possible to classify because of no data.  
Hazardous to the aquatic environment (chronic) :  
Not possible to classify because of no data.

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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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Not regulated for transport.  
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SECTION 15 REGULATORY INFORMATION  
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Fire Service Act : Not regulated  
Industrial Safety and Health Act : Not regulated  
Ordinance for Enforcement of the Civil Aeronautics Act : Not regulated  
Regulations for the carriage and storage of dangerous goods in ship : Not regulated  
Substance Registration :  
    Australia (AICS) : Registered  
    Canada(DSL) : Registered  
    Korea number (ECL) : KE 09627  
    China IECSC) : Registered  
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SECTION 16 OTHER INFORMATION  
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REFERENCES:

- The Merck Index 14 edition, Monographs No. 2953
- Chemical Risk Information Platform (CHRIP)
- Registry of Toxic Effects of Chemical Substances, No . HH9450000

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Junsei Chemical Co.,Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.