

Material safety data sheet

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Catalog Numbers: 60162
Catalog Name: Castor oil

Company Identification:

Junsei Chemical Co., Ltd.
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CREATION DATE: August 8, 2011

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: Castor oil
SYNONYMS: Ricinus oil
CAS NUMBER: 8001-79-4
US TSCA: inventory
EC NUMBER (EINECS): 232-293-8
JAPAN NUMBER (ENCS):
PERCENTAGE: (EP) 100%

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation. May be harmful if absorbed through the skin.

Ingestion:

May cause irritation of the digestive tract. May be harmful if

swallowed.
Inhalation:
May cause respiratory tract irritation. May be harmful if inhaled.
Chronic:
Not available.

SECTION 4 FIRST AID MEASURES

Eyes:
Flush eyes with plenty of water for at least 15 minutes,
occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:
Get medical aid. Flush skin with plenty of soap and water for at
least 15 minutes while removing contaminated clothing and shoes.
Ingestion:
Get medical aid. Wash mouth out with water.
Inhalation:
Remove from exposure to fresh air immediately.
Notes to Physician:
Treat symptomatically and supportively.

SECTION 5 FIRE FIGHTING MEASURES

General Information:
As in any fire, wear a self-contained breathing apparatus in
pressure-demand, MSHA/NIOSH (approved or equivalent), and full
protective gear.
Extinguishing Media:
Use water spray, dry chemical, carbon dioxide, or chemical foam.

SECTION 6 ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated
in Section 8.
Spills/Leaks:
Absorb spill with inert material (e.g. vermiculite, sand or earth),
then place in suitable container.

SECTION 7 HANDLING AND STORAGE

Handling:
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin

and eyes.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear chemical goggles.

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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Viscous liquid
Appearance: clear yellow
Odor: characteristic odor
pH: Not available.
Vapor Pressure: Not available.
Viscosity: 6-8 Ps @ 25 deg C
Boiling Point: Not available.
Freezing/Melting Point: -10 deg C
Autoignition Temperature: 448 deg C (838.40 deg F)
Flash Point: 229 deg C (444.20 deg F)
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water:
Specific Gravity/Density: 0.95

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, excess heat.

Incompatibilities with Other Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 8001-79-4: FI4100000

LD50/LC50:

CAS# 8001-79-4: Draize test, rabbit, eye: 500 mg Mild; Draize test, rabbit, skin: 100 mg/24H Severe.

Carcinogenicity:

Castor oil -

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

See actual entry in RTECS for complete information.

SECTION 12 ECOLOGICAL INFORMATION

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing group:

SECTION 15 REGULATORY INFORMATION

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# 8001-79-4: 1

United Kingdom Occupational Exposure Limits

Canada

CAS# 8001-79-4 is listed on Canada's DSL List.

CAS# 8001-79-4 is listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 8001-79-4 is listed on the TSCA inventory.

SECTION 16 OTHER INFORMATION

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.