

Material safety data sheet

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Catalog Numbers: 60160
Catalog Name: Castor oil

Company Identification:

Junsei Chemical Co., Ltd.
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CREATION DATE: February 26, 2004

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
