

# MATERIAL SAFETY DATA SHEET

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Product DS-1220

Date: 14/10/2011

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DS-1220

MANUFACTURER: Hokoku Corporation

Address: 170 Oihara 4 Chome Yao City Osaka Japan 581-0092

Telephone number: 81-72-949-4121

Telefax number: 81-72-949-9124

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### SUBSTANCE:

Common chemical name: Di(2-butyloctyl) sebacate

CAS number: 184706-97-6

Percentage: 100

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## 3. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW: Colorless liquid with a bland odor

Causes respiratory tract, skin, and eye irritation.

Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing.

Keep container tightly closed. Wash thoroughly after handling.

Use only with adequate ventilation.

### POTENTIAL HEALTH EFFECTS

#### Inhalation:

Short Term Effects: May cause irritation.

Long Term Effects: No information is available.

#### Skin Contact:

Short Term Effects: May cause irritation.

Long Term Effects: Same effects as short term exposure.

#### Eye Contact:

Short Term Effects: May cause irritation.

Long Term Effects: Same effects as short term exposure.

#### Ingestion:

Short Term Effects: May cause nausea and vomiting.

Long Term Effects: No information is available on significant adverse effects.

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## 4. FIRST-AID MEASURES

### ROUTES OF EXPOSURE

Inhalation: Remove from exposure area to fresh air immediately. Perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.

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## 4. FIRST-AID MEASURES

**Skin Contact:** Remove contaminated clothing and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

**Eye Contact:** Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15-20 minutes), Get medical attention immediately.

**Ingestion:** Dilute with water or milk and remove by gastric lavage or emesis. Maintain blood pressure. Do not make an unconscious person vomit or drink anything. Lavage must be performed by qualified medical personnel. Get medical attention immediately. prevent aspiration.

## INFORMATION TO DOCTOR

**Antidote:** No specific antidote. Treat symptomatically and supportively.

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## 5. FIRE-FIGHTING MEASURES

**FIRE AND EXPLOSION HAZARD:** Slight fire hazard when exposed to heat or flame.

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, water spray or regular foam.  
For larger fires, use water spray, fog or regular foam.

**FIREFIGHTING:** Move container from fire area if you can do it without risk.  
Do not scatter spilled material with high-pressure water streams.  
Dike fire-control water for later disposal.  
Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind.

**Flash Point** 457F(236C)(OC)

**LOWER FLAMMABLE LIMIT:** no data available

**UPPER FLAMMABLE LIMIT:** no data available

**AUTOIGNITION:** no data available

**Hazardous Combustion Products:** Thermal decomposition products may include toxic oxides of carbon.

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## 6. ACCIDENTAL RELEASE MEASURES

**OCCUPATIONAL SPILL:** Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material and place into clean, dry containers for later disposal. Keep unnecessary people away. Isolate hazard area and deny entry.

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## 7. HANDLING AND TORAGE

Observe all federal, state and local regulations when storing this substance.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION:	Provide local exhaust or general dilution ventilation system..
EYE PROTECTION:	Employee must wear splash-proof or dust-resistant safety goggles to prevent eye contact with this substance.
Emergency eye wash:	Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain within the immediate work area for emergency use.
CLOTHING:	Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.
GLOVES:	Employee must wear appropriate protective gloves to prevent contact with this substance.
RESPIRATOR:	<p>The following respirators are recommended based on information found in the physical data, toxicity and health effects sections.</p> <p>They are ranked in order from minimum to maximum respiratory protection. The specific respirator selected must be based on contamination levels found in the work place, must be based on the specific operation, must not exceed the working limits of the respirator</p> <p>High levels-chemical cartridge respirator with an organic vapor cartridge.</p>
Firefighting:	Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Description:	Colorless liquid with a bland odor
Molecular Weight:	538
Molecular Formula:	C34H66O4
Boiling Point:	no data
Freezing Point:	no data
Specific Gravity:	0.95 (20C)
Water Solubility:	very slight
Evaporation Rate:	(butyl acetate=1) 0
Solvent Solubility:	Soluble in alcohol, ether, ester.

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### 10. STABILITY AND REACTIVITY

Reactivity:	Stable under normal temperatures and pressures.
Conditions to Avoid:	May burn but does not ignite readily. Avoid contact with strong oxidizers, excessive heat, sparks, or open flame.
Oxidizing Materials:	May react.
Hazardous Decomposition	Thermal decomposition products may include toxic oxides of carbon.
Polymerization:	Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

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### 11. TOXICOLOGICAL INFORMATION

CARCINOGEN STATUS: None.

#### HEALTH EFFECTS

Inhalation: Irritant.

Acute Exposure: May causes coughing and irritation of the mucous membranes.

Chronic Exposure: No data available.

Skin Contact: Irritant.

Acute Exposure: May cause mild irritation.

Chronic Exposure: Repeated of prolonged contact may cause dermatitis.

Eye Contact: Irritant.

Acute Exposure: Contact may cause irritation and redness.

Chronic Exposure: Repeated or prolonged contact may cause conjunctivitis.

Ingestion:

Acute Exposure: Nausea, vomiting and irritation of the gastrointestinal tract may occur if ingested.

Chronic Exposure: None reported in humans.

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### 12. ECOLOGICAL INFORMATION

Environmental Impact Rating (0-4): No data available

Acute Aquatic Toxicity: No data available

Degradability: No data available

Log Bioconcentration Factor (BCF): No data available

Log Octanol/Water Partition Coefficient: No data available

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### 13. DISPOSAL INFORMATION

Observe all federal, state and local regulations when disposing of this substance.

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### 14. TRANSPORTATION INFORMATION

No classification currently assigned.

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### 15. REGULATORY INFORMATION

TSCA INVENTORY STATUS: N

EINECS : N

CHRONIC HAZARD: N

FIRE HAZARD: N

REACTIVITY HAZARD: N

SUDDEN RELEASE HAZARD: N

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### 16. OTHER INFORMATION

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