

# SAFETY DATA SHEET

According to Directive 91/155/EEC and its amendments



## ADEKA NOL

Date of issue : 10/June/2008

## OG

SDS No.: EU-16839

### 1. Identification of the substance/preparation and of the company/undertaking

#### Identification of the substance/preparation

**Product identifier:** ADEKA NOL OG  
**Formula:** 1,2-Octanediol  
**Use:** Surfactant

#### Company/undertaking identification:

##### Manufacturer:

ADEKA CORPORATION  
2-35, HIGASHI-OGU 7-CHOME,  
ARAKAWA-KU, TOKYO 116-8554, JAPAN

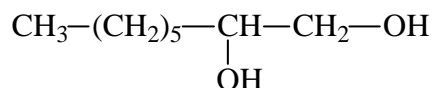
TEL: 81-3-4455-2833      FAX: 81-3-3809-8232

##### Distributor & Emergency telephone:

ADEKA Europe GmbH  
Berliner Allee 48, 40212 Dusseldorf, GERMANY  
TEL: 49-211-179245-0      FAX: 49-211-1710470

#### Chemical name & Structure

1,2-Octanediol



### 2. Composition/information on ingredients

#### Component:

Name	%	CAS No.	EC No.
1,2-Octanediol	>99	1117-86-8	214-254-7

### 3. Hazards identification

#### Classification:

Classification	Symbol	R Phrase	S Phrase
Not applicable			

#### Hazards Identification:

Clear liquid with mild odour

This product is not hazardous according to EU criteria.

## 4. First aid measures

### **Skin contact:**

Remove contaminated clothing immediately. Wash skin with soap and water.

If irritation occurs, get medical attention.

### **Eye contact:**

Immediately flush with large quantities of clean water for at least 15 minutes and call a physician.

### **Inhalation:**

Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

### **Ingestion:**

Consult a physician for first aid. Never give anything by mouth to an unconscious person.

### **Note to physician:**

None.

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## 5. Fire-fighting measures

### **Suitable extinguishing media:**

Alcohol foam, carbon dioxide, dry chemical powder or water spray .

### **Extinguishing media which must not be used for safety reasons:**

Do not use a straight stream of water.

### **Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**

Smoke, fumes and oxides of carbon.

### **Special protective equipment for fire-fighters:**

Firemen should wear normal protective equipment ( full bunker gear ) and positive-pressure self-contained breathing apparatus.

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## 6. Accidental release measures

### **Personal precautions:**

Clean-up personnel should wear protective clothing and equipment to prevent inhalation of vapour and skin, eye contact.

### **Environmental precautions:**

Do not flush into the sewer.

### **Methods for cleaning up:**

Absorb materials with any commercial waste absorbent. Dike large spills and place materials in salvage containers.

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## 7. Handling and storage

### Handling:

- Remove all sources of ignition.
- Utilize recommended protective equipment.

### Storage:

- Keep away from heat, sparks and open flame.
- Keep container closed and store in a cool area.

## 8. Exposure controls/personal protection

### Exposure limit values

Name	Eight hours		Short-term			
	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
Not applicable						

### Exposure controls

#### Occupational exposure controls:

Provide mechanical ventilation of confined spaces.

#### Personal protective equipment

**Respiratory protection:** If vapours, mists, or aerosols are generated, wear NIOSH/OSHA vapour approved respirator

**Hand protection:** Chemical resistant gloves.

**Eye protection:** Chemical safety glasses.

**Skin protection:** Use of protective gloves / clothing is good industrial practice.

**Environmental exposure controls:** None

## 9. Physical and chemical properties

### General information

<b>Appearance:</b>	Clear liquid at 25°C.
<b>Odour:</b>	Mild odour.
<b>pH:</b>	No data available.
<b>Boiling point/boiling range (°C):</b>	131~132°C (10mmHg) <sup>1)</sup>
<b>Melting point (°C):</b>	15°C <sup>1)</sup>
<b>Flash point (°C):</b>	140°C(C.O.C.) <sup>1)</sup> .
<b>Flammability (solid, gas):</b>	Not applicable.
<b>Explosive properties:</b>	No data available.
<b>Oxidising properties:</b>	No data available.
<b>Vapour pressure (kPa):</b>	No data available.
<b>Relative density:</b>	0.924 at 25°C <sup>1)</sup> .
<b>Solubility</b>	
<b>water solubility:</b>	Slightly at 25°C <sup>1)</sup> .
<b>fat solubility:</b>	No data available.

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<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Viscosity (mPa*s):</b>	84 (at 25°C) <sup>1)</sup>
<b>Vapour density:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Other information:</b>	None

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## 10. Stability and reactivity

### Conditions to avoid:

High temperature, strong alkalis and strong acids.

### Materials to avoid:

Strong oxidising agents.

### Hazardous decomposition products:

Aldehydes, carbon monoxide or carbon dioxide.

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## 11. Toxicological information

<b>Skin contact:</b>	Primary skin irritation test (10% in the Vaseline oil, Rabbit) Irritation index : 0.08 and classified as non-irritant. <sup>1)</sup>
<b>Eye contact:</b>	Ocular irritation test (10% in the Vaseline oil, Rabbit) Maximum irritation index : 12.67 and can be classified as slightly irritant. <sup>1)</sup>
<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	Oral (rat) LD50 >2000mg/kg <sup>1)</sup>
<b>Sensitisation:</b>	Very slightly sensitisation. (Albino guinea pig) <sup>1)</sup>
<b>Carcinogenicity:</b>	This product is not known to be carcinogenic.
<b>Mutagenicity:</b>	Negative <sup>1)</sup>
<b>Reproductive toxicity:</b>	No data available
<b>Narcosis:</b>	No data available

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## 12. Ecological information

<b>Ecotoxicity:</b>	No data available.
<b>Mobility:</b>	No data available.
<b>Persistence and degradability:</b>	No data available.
<b>Bioaccumulative potential:</b>	No data available.
<b>Other adverse effects:</b>	None

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## 13. Disposal considerations

**Incineration:** Should be in accordance with local regulations.  
**Recycling:** Should be in accordance with local regulations.  
**Land filling:** Should be in accordance with local regulations.

## 14. Transport information

	UN No.	Class	Proper shipping name	Packing group	Marine pollutant
IMDG	None				
ADR/RID	None				---
ICAO/IATA	None				---

Other applicable information: None

## 15. Regulatory information

### Labeling

**Contains:** None

**Symbol(s):** None

**R Phrase(s):** None

**S Phrase(s):** None

**Special Provision concerning Annex V of 1999/45/EC:** Not applicable

**The subject of specific provisions at Community level:** Not applicable

**REACH(EU):** If you require information, please contact us.

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## 16. Other information

**R Phrase(s):** None.

**Reference:**

1) Our testing data.

**Technical contact point Japan:** ADEKA CORPORATION  
TEL 81-3-3892-2512  
FAX 81-3-3892-2887

**EU:** ADEKA Europe GmbH  
TEL: 49-211-179245-0  
FAX: 49-211-1710470

**Others**

**Data revised:** See section 1,15.

**Others:** None

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