

# SAFETY DATA SHEET

(according to EC Directive 2001/58/EC)

## Oleamide

Version 1.0  
Revision Date 13.05.2003

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product name** Oleamide  
**Product code**  
**Recommended use** anti slip agent  
**Company**

Dongguan Baoxu Chemical Technology.,Ltd.  
P:+86-0769-22821082 Fax:0769-22821083  
Email:info@additivesforpolymer.com  
Web:www.additivesforpolymer.com  
8th Chenwu East Road, Houjie Town, Donguan City,  
Guangdong Province, China

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name** Oleamide  
**CAS-No.** 301-02-0  
**EINECS-No.** 206-103-9

*[Components with exposure limit(s) - see section 8]*

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### 3. HAZARDS IDENTIFICATION

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

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### 4. FIRST AID MEASURES

**Eye contact** Rinse with plenty of water.  
**Skin contact** Wash off with soap and plenty of water.  
**Ingestion** Do not induce vomiting. Drink plenty of water. Seek medical advice.

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### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Use foam, dry chemical or carbon dioxide (CO2)  
**Extinguishing media which must not be used for safety reasons** Water  
**Special protective equipment for fire-fighters** Wear self contained breathing apparatus for fire fighting if necessary.

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**Special exposure hazards in a fire** Hazardous decomposition products - see section 10.

**Further information** Water mist may be used to cool closed containers.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Use personal protective equipment.  
Avoid dust formation.

**Environmental precautions** Try to prevent the material from entering drains or water courses.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal.

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## 7. HANDLING AND STORAGE

**Handling** Avoid dust formation. Provide adequate ventilation. For personal protection see section 8.

**Storage** Keep tightly closed in a dry, cool and well-ventilated place.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values

### Personal protective equipment

The resistance of the protective clothing to chemicals should be ascertained with the manufacturer/supplier.

**Hygiene measures** General industrial hygiene practice.

**Eye protection** Safety glasses

**Respiratory protection** No personal respiratory protective equipment normally required.

**Skin and body protection** Lightweight protective clothing

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form** Beads  
**Colour** off-white  
**Odour** Characteristic

**Melting point/range** 72 - 77 °C

**Decomposition temperature** 240 °C

**Flash point** 208 °C [open cup]

**Upper explosion limit** No data available

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<b>Lower explosion limit</b>	No data available
<b>Density</b>	0.86 g/cm <sup>3</sup> at 25 °C Solid form
<b>Bulk density</b>	0.61 g/ml at 20 °C Tapped
	0.56 g/ml at 20 °C Tapped
<b>Water solubility</b>	Insoluble
<b>pH</b>	Not applicable
<b>Partition coefficient (n-octanol/water)</b>	No data available

## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	Direct sources of heat.
<b>Materials to avoid</b>	Strong oxidizing agents
<b>Hazardous reactions</b>	No hazards to be specially mentioned.
<b>Hazardous decomposition products</b>	In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), oxides of nitrogen (NO <sub>x</sub> ), dense black smoke.

## 11. TOXICOLOGICAL INFORMATION

		[Remarks]
<b>Acute oral toxicity</b>	LD50 (rat) > 2,000 mg/kg [Method: OECD Test Guideline 423]	
<b>Acute inhalation toxicity</b>	No data available	
<b>Acute dermal toxicity</b>	No data available	
<b>Skin irritation</b>	Mild skin irritation (rabbit)	[10% dispersion of oleamide - Ref. 1]
<b>Eye irritation</b>	Slight irritation (rabbit)	[10% dispersion of oleamide - Ref. 1]
<b>Sensitization</b>	No data available	
<b>Mutagenic effects</b>	Not mutagenic in AMES Test.	

## 12. ECOLOGICAL INFORMATION

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		<b>[Remarks]</b>
<b>Biodegradability</b>	62 % / 28 d [Method: CO2 Evolution Test] Inherently biodegradable.	[Stearamide]
	64 % / 28 d [Method: CO2 Evolution Test] Inherently biodegradable.	[Erucamide]
<b>Toxicity to fish</b>	LC50 (Rainbow trout) > 0.10 mg/l (96 h) [Method: OECD Test Guideline 203]	[Stearamide]
<b>Toxicity to daphnia</b>	EC50 (Daphnia magna) > 0.1 mg/l (48 h) [Method: OECD Test Guideline 202]	[Stearamide]
	EC50 (Daphnia magna) > 0.2 mg/l (48 h) [Method: OECD Test Guideline 202]	[Erucamide]
<b>Water contaminating class (Germany)</b>	Kenn-Nr: 3748 Stoffbezeichnung: Oleamid; Status der Einstufung: Einstufung nach Anhang 3; Wassergefährdungsklasse (WGK): 1 WGK 1 - slightly water endangering	

## 13. DISPOSAL CONSIDERATIONS

**Product / Contaminated packaging** In accordance with local and national regulations.

## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

## 15. REGULATORY INFORMATION

**Classification & labelling according to EEC Directive** Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

## 16. OTHER INFORMATION

Changes since the last version will be highlighted in the margin. This version replaces all previous versions.

**Version** 1.0 / English  
**Revision Date** 13.05.2003

### Sources of key data used to compile the datasheet

[1] The British Industrial Biological Research Association, (1988), Toxicity profile on Oleamide, BIBRA, Woodmansterne Road, Carshalton, Surrey SM5 4DS

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