



Polymer Additives Division

## **FINAWAX OI**

*Oleamide for inks*

### **1. Chemical Product and Company Identification**

Substance Name..... Oleamide  
 Trade Name..... **FINAWAX-OI**  
 Chemical Name (Active component) 9-Octadecenamide, Oleic acid amide, Oleyl amide  
 Type of application..... Slip and Antiblocking agent for polyolefins

### **2. Composition, Information on Ingredients**

Component ..... Oleamide  
 CAS No. .... 301-02-0  
 Purity ..... Total Amide 98% min.  
 Molecular Formulas ..... C<sub>17</sub>H<sub>33</sub>CONH<sub>2</sub>

### **3. Hazardous Identification**

NFPA Ratings (Scale 0~4)

Health = 1  
 Fire = 1  
 Reactivity = 0

CERCLA Ratings (Scale 0~3)

Health = U  
 Fire = 1  
 Reactivity = 0  
 Durability = 0

#### Emergency Overview :

Not classified as hazardous conform EEC Dangerous Substance directive & dangerous preparations.

Off-white beads or powder with a characteristic mild, fatty odour.

May form flammable or explosive dust air mixtures.

Avoid breathing dust.

Keep container tightly closed.

Avoid creation of dust.

Use only with adequate ventilation.

Potential Health Effects

Eyes

Contact causes eye irritation.  
Contact with product at elevated temperatures can result in thermal burns.

Skin

Contact causes skin irritation  
Contact with product at elevated temperatures can result in thermal burns.

Ingestion

May cause irritation to digestive tract including nausea, vomiting, diarrhea.

Inhalation

Inhalation of dusts may cause irritation to respiratory passages.

Carcinogen status

OSHA.....Not regulated  
NTP..... Not regulated  
IARC..... Not regulated

**4. First Aid and Measure**

Symptoms and effects

Dust may be irritating to the respiratory tract and cause symptoms of bronchitis.

First Aid

General : In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation

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

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)

Eye Contact

## MATERIAL SAFETY DATA SHEET

- 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

- If vomiting occurs, keep head lower than hips to help prevent aspiration.
- Treat symptomatically and supportively
- Get medical attention immediately.

### Note to physician

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

## **5. Fire Fighting Measures**

### Fire and explosion hazard

Slight fire hazard when exposed to heat or flame.  
Dust-air mixtures may ignite or explode.

### Extinguishing media

Dry chemical, carbon dioxide or regular foam (1993 Emergency response guidebook, RSPA P 5800.6). For large fires, use water spray, fog or foam (1993 Emergency response guidebook, RSPA P 5800.6)

Unsuitable extinguishing media - Water jet

### Special exposure hazards

Reacts with strong acids or oxidizing agents.

### Hazardous decomposition/combustion products

No hazardous decomposition products known

### Protective equipment

No specific recommendations.

### Fire fighting

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. (1993 Emergency response guidebook, RSPA P 5800.6 Guide Page 31). Use agents suitable for type of surrounding fire.

## MATERIAL SAFETY DATA SHEET

Avoid breathing hazardous vapors, keep up wind.

Flash point ..... Approx. 210°C (Cleveland, open cup)  
Lower Flammable limited ..... No data available  
Upper Flammable Limited ..... No data available  
Auto ignition ..... No data available  
Hazardous combustion products - Thermal decomposition products in open air  
combustion may include oxides of carbon such  
Carbon di-oxide.

### **6. Accidental Release Measures**

#### Occupational spill

Sweep up and place in suitable clean, dry containers for reclamation or later disposal  
Do not flush spilled material into sewer. Keep unnecessary people away

#### Personal precautions

Avoid breathing dust.....wear appropriate respirator.

#### Environmental precautions

Do not allow to enter drains or water courses

#### Methods for cleaning up

Collect as much as possible in a clean container for (Preferable) reuse or disposal.  
Absorb the remainder with eg. Vermiculite.

### **7. Handling and Storage**

Observe all federal, state and local regulations when storing this substance. Store away  
from incompatible substance.

#### Handling

The usual precautions for handling chemicals should be observed.

#### Fire and explosion prevention

No specific recommendations

#### Storage requirements

Store in a dry and cool place (15 ~ 20°C).

Do not store together with oxidizing agents. On prolonged storage, fatty amides may  
develop a rancid odour coupled with colour deterioration. Their functional activity will  
remain unaffected but rancidity and poor colour would preclude their use in most

applications. Maximum shelf life under prescribed conditions of storage is 12 months from the date of manufacture.

## **8. Exposure Controls, Personal Protection**

### Engineering controls

The usual precautionary measures for handling chemicals should be observed.

### Exposure limits

No occupational exposure limits established by OSHA, ACGIH or NIOSH Ventilation

### Provide local exhaust ventilation

Ventilation equipment should be explosion – proof if explosive concentrations of dust, vapor or fumes are present.

### Personal protection

#### 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.

### Respiratory

The following respirators are recommended based on information found in the Physical data, toxicity and health effects sections. 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 and must be jointly approved by the National Institute of Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

Any dust and mist respirator.

Any air-purifying respirator with a high-efficiency particulate filter.

Any powered air-purifying respirator with a dust and mist filter.

Any powered air-purifying respirator with a high-efficiency particulate filter.

Any type "C" supplied-air respirator operated in the pressure-demand or other positive

pressure or continuous – flow mode.

Any self-contained breathing apparatus. For fire fighting and other immediately dangerous to life or health conditions.

Any self-contained breathing apparatus that has a full face piece and is operated in a pressure demand or other positive-pressure mode.

Any supplied-air respirator that has a full face piece and is operated in a pressure demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

**9. Physical and Chemical Properties**

Appearance ..... Powder or Bead type  
Colour ..... Off white  
Melting point ..... 73 ± 5°C  
Flammability ..... Not determined  
Auto ignition temperature ... Not determined  
Explosive properties ..... None known  
Explosion limits ..... None known  
Oxidizing properties ..... None known  
Vapour density ..... Not applicable  
Bulk Density ..... None known  
Solubility in water ..... insoluble  
Acidity (as Free fatty acid) 0.5% max.  
Odor threshold ..... No data available  
Partition coefficient, n-Octanol/water ....Not determined  
Relative vapour density (Air=1).....Not determined  
Evaporation rate ..... Not applicable

**10. Stability and Reactivity**

Conditions to Avoid

Stability .....Stable  
Conditions to Avoid .....High temperatures  
Materials to Avoid .....Oxidizing materials  
Hazardous Decomposition ..... Oxides of carbon and nitrogen; fatty acids if exposed to  
Products ..... Temperatures of >356°F / >180°C for extended periods  
Hazardous Polymerization .....Will not occur

**11. Toxicological Information**

**Acute Oral toxicity:**

**Type:** LD<sub>50</sub>

**Specie :** Rat

**Value :** 10,000 mg per Kg Body weight

**Test Substance :** Finawax OI

**Source:** Oleofine Organics (I) Pvt Ltd.

**12. Ecological Information**

No experimental ecological data are available on the substance as such  
Environmental impact rating (0-4) : No data available  
Acute aquatic toxicity : No data available  
Degradability : No data available  
Log bio concentration factor (BCF) : No data available  
Log octanol/water partition coefficient : No data available

**13. Disposal considerations**

As originally offered, this product if disposed of, is not considered a hazardous waste under current Resource Conservation and Recovery Act (RCRA) regulations (40CFR261). State and local regulations should also be consulted regarding proper disposal.

**14. Transport Information**

Land

**Department of Transportation (DOT)**  
Not Regulated

Air

**International Air Transport Association (IATA)**  
Not Regulated

Sea

**International Maritime Organisation (IMO)**  
Not Regulated

**15. Regulatory Information**

U.S. Federal Regulations

**Toxic Substances Control Act (TSCA) Information**

The component(s) of this product are listed on the TSCA Chemical Substances Inventory.

**Superfund Amendments and Reauthorization Act (SARA Title III)**

Section 311/312 Hazard Category Immediate Health Hazard

Section 313 Listed Chemical Components

Chemical Name or Category .....9-Octadecenamide, Oleic acid amide, Oleyl amide

CAS # ..... 301-02-0

International Regulations

**Canadian Environmental Protection Act (CEPA)**

Listed in the Domestic Substance List

**European Inventory of Existing Commercial Chemical Substances (EINECS)**

Listed

**Japanese List of Existing and New Chemical Substances (as regulated by the Ministry of International Trade and Industry – MITI)**

Listed

**Australian Inventory of Chemical Substances (AICS)**

Listed

**Korean Existing Chemical List (ECL)**

Listed

**Philippines Inventory of Chemicals and Chemical Substances**

Listed

**European Communities (EC) Classification**

Hazard symbol(s) .....Xi (Irritant)

Risk phrases .....R36/37/38 – Irritating to eyes, respiratory system and skin

Safety phrases .....S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**16. Other Information**

MSDS Revision Status

MSDS Date : August 21, 2003  
Last Revision Date : January 22, 2016  
Regulatory Information Update  
Prepared By : Sagar Thosar

Freight Classification (National Motor Freight Classification)

Organic Fatty Amide Compounds, Item 144790, Class 65

Hazardous Materials Information System (HMIS) Rating

Health : 2  
Reactivity : 0  
Flammability : 1

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FW-OI/SDS-VRT-07092007