



Polymer Additives Division

Fine Organics

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Material Safety Data Sheet

Finawax – OPA

Issued by : Fine Organics
Approved by : R & D center
Revision No. : 0

Written by : Business department
Issued date : May 30, 2002
Revised data : Nov 11, 2015

1. Identification of the substance and Company

1.1. Product

Commercial product or trade name : Finawax – OPA(High purity amide)
Substance or chemical name : Oleyl Palmitamide
Application : Release agent and lubricant / slip agent for Polyolefins and engineering plastics

1.2. Producer / Supplier

Producer / Supplier : Fine Organics
Origin : India
Address : Fine House, Anandji Street, Off M. G. Road, Ghatkopar (East), Mumbai 400 077, India
Emergency information (Telephone) : 91 – 22 – 2509 – 3400 ~ 11
(Facsimile) : 91 – 22 – 2515 – 3215 & 2516 – 2276

1.3.

2. Composition / Information on ingrediants

2.1. Chemical family : Secondary amide based on fatty acid

2.2. Chemical characterization (Single substance)

CAS Number : 16260– 09 – 6
EINECS Number : None
UN Number : None
Substance or component name : Oleyl Palmitamide
(According to EEC rules) *Fatty acid secondary Amide*
Purity (%) : 99.5 Min.

3. Hazards identification

3.1. NFPA ratings (scale 0 ~ 4)

	0 – Insignificant	1 - Slight	2 – Moderate	3 – High	4 – Extreme
Health					: 1
Fire					: 1
Flammability					: 1
Reactivity					: 0

3.2. Carcinogenicity

ACGIH : Not regulated IARC : Not regulated NTP : Not regulated OSHA : Not regulated

3.3. CERCLA ratings (scale 0 ~ 3)

Health : U
Fire : 1
Reactivity : 0
Durability : 0

3.4. Emergency:

Physical appearance: Off white micro-beads with fatty odor. May form flammable or explosive dust air mixtures. Avoid breathing dust. Keep container tightly closed. Avoid creation of dust. Use only with adequate ventilation. Cause eye, skin and mucous membrane irritation.

Target Organ Effect:

Eyes: Contact causes irritation. Contact with product at elevated temperatures can cause thermal burns.

Skin: Contact causes skin irritation. Contact with product at elevated temperatures can cause thermal burns.

Ingestion: May cause irritation to the digestive tract including nausea, vomiting and diarrhea.

Inhalation: Inhalation of dust may cause irritation to the respiratory tract.

3.5. Emergency first aid

- 3.6. Eye contact** : Immediately with plenty of water for at least 15 minutes and seek medical advice.
- 3.6.1. **Inhalation contact** : Remove victim to fresh air.
- 3.6.2. **Skin contact** : Washing skin with soap and plenty of water. For contact with hot molten material, cool burned skin area by immersing in cold water or apply cold water.
- 3.6.3. **Swallowed** : Give water or milk to dilute and contact a physician immediately.

4. First aid measures

- 4.1. General advice**
Dust may be irritating. Substance is irritating to the eyes, skin and mucous membrane.
- 4.2. First aid external**
Take off immediately all contaminated clothing. Washing skin with soap and plenty of water. In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice. If molten material comes in contact with skin, cool rapidly with cold water. Do not attempt to peel from skin. Obtain medical attention for thermal burns.
- 4.3. First aid internal**
Drink plenty of water or milk to dilute. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

5. Fire – fighting measures

- 5.1.**
- | | | |
|-------------------------------|-------|---|
| Flash point | | : Approximately 260°C (Cleveland, Open cup) |
| Auto ignition temperature | | : No data available |
| Explosion limit – | Upper | : No data available |
| | Lower | : No data available |
| T.D.G. flammable class | | : Not regulated |
| Flammable limit (% by vol.) – | Upper | : Not classified |
| | Lower | : No data available |

5.2. Suitable extinguishing media

Use carbon dioxide, water spray or alcohol foam while extinguishing fires involving this material. Move material from fire area without risk if it is possible.

Fire Fighting Instructions:

Dusts at sufficient concentrations can cause explosive mixtures with air.

Closed containers may swell and rupture due to extreme heat Water spray may be used to cool the containers.

Water runoff may cause environmental damage, Dike and collect water used to extinguish fires.

6. Accidental release measures

6.1. Methods for cleaning up

Collect as much as possible in a clean container for disposal. Dispose in accordance with locally valid waste disposal regulations.

Personal Precautions:

Individuals involved with clean up activities may use appropriate protective equipment as listed in section 8. This material forms slippery surfaces on floor, posing an accident risk.

7. Handling and storage

7.1. Safe handling advice

The product should be stored in a dry and cool place (Warehouse) at temperatures **between 5 and 50°C**. Avoid direct sun light. Keep in well – ventilated place. Keep separated from other dangerous substances and oxidizing agents.

Handling:

Avoid contact with skin, eyes and clothes. Keep containers tightly closed. Safety precautions apply to empty containers as well.

7.2. Protection against fire and explosion

No specific recommendations.

8. Exposure controls / Personal protection

8.1. Exposure limits

OSHA	: Not regulated.
ACGIH	: Not regulated.
NIOSH	: Not regulated.

Engineering Controls:

If user operations generate dust, fume or mist, use ventilation to keep airborne contaminants below the exposure limits.

Occupational Exposure Limits:

Particle not otherwise classified (PNOC) 15mg/M³(TWA)- Total Dust ; 5mg/ M³ – respirable fraction- (OSHA) – 10mg /M³(TWA) – (ACGIH)

8.2. Additional advices

Safety shower and eye bath. Mechanical exhaust required. Wash thoroughly after handling. Do not breathe dust. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. NIOSH / MSHA – Approved respirator. Store in a cool dry place.

8.3. Personal protective measures

8.3.1. General protective and hygiene measures For briefest contact body covering-clothing should be worn. Butyl or neoprene gloves are recommended.

8.3.2. Personal protection equipment

Safety goggles or face shield, protective gloves.

9. Physical and chemical properties

Physical state	: Micro beads
Colour	: yellowish
Odour	: fatty
Odour threshold	: No data available
Melting point	: No data available
Boiling point	: Not applicable
Decomposes temperature	: Above 295 °C
Evaporation rate (Butylacetate = 1)	: Less than 1
Specific gravity (water = 1) at 80°C	: 0.81
Solubility (% w/w) – In water	: Insoluble
Coefficient of water / oil dist	: No data available
Bulk density	: None known
Vapour pressure (mmHg) at 20°C	: Less than 1 – Negligible
Vapour density	: Not applicable
Relative vapour density (air = 1) –	
By volume	: Not applicable
By weight	: Not applicable
Fire point	: Approximately 290°C
Explosive properties	: None known
Oxidizing properties	: None known
Partition coefficient (N – Octanol / Water)	: Not determined
Viscosity	: No data available
Volatile	: Less than 1%

10. Stability and reactivity

10.1. Stability

This material is stable under normal temperatures but may decompose non – violently if exposed temperatures above 180°C.

10.2. Condition to avoid

Avoid exposing material to temperatures above 180°C. Keep separated from other dangerous substances and oxidizing agents.

10.3. Materials to avoid

No data available

10.4. Hazardous decomposition products

Thermal decomposition materials may include toxic oxides of carbon and nitrogen.

10.5. Reactivity

Avoid contact with strong oxidizers, excessive heat, sparks or open flame. May burn does not ignite readily.

10.6. Strong oxidizer

Fire and explosion hazard.

10.7. Polymerization

Hazardous polymerization has not been reported to occur under normal temperature and pressures.

11. Toxicological information

11.1. Toxicological information I. (oral)

Type	: LD 50 / oral	Value	: 10 gm /kg
Rat.	: non toxic		

11.2. Toxicological information II. (dermal)

Type	: LD 50 / dermal	Value	: N.A
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11.3. General toxicological information

Carcinogenicity of material	: None known
Reproductive effects	: None known
Irritancy of material	: Unknown
Sensitizing capability of material	: None known
Synergistic materials	: None known

11.4. Additional advices for acute effects

Cause skin irritation. Cause eye irritation. Material is irritating to mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause allergic skin reaction. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

There is no ecological data available o this product.

13. Disposal considerations

13.1. Waste disposal of products

Disposal of in accordance with all applicable federal, state and local government regulations.

13.2. Additional information

A originally offered this product if disposed off is not considered a hazardous waste under current resources conservation and recovery Act (RCRA) regulations (40 CFR 262) .

14. Transport information

14.1. UN number	: None
EC number	: None

14.2. Road transport

14.2.1. ADR – class	: Not restricted.
14.2.2. ADR item number	: Not relevant.

14.3. Rail transport

14.3.1. RID – class	: Not restricted.
14.3.2. RID item number	: Not relevant.

14.4. Sea transport

14.4.1. IMDG / IMO – class	: Not restricted.
14.4.2. IMDG / IMO code	: Not restricted.
14.4.3. EMS number	: Not relevant.
14.4.4. MFAG number	: Not relevant.

14.5. Air transport

14.5.1. ICAO – TI / IATA – DGR class	: Not restricted.
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14.6. Further transport information

14.6.1. Further information	: Fatty acid amide
14.6.2. Physical state	: Micro Beads or Powder
14.6.3. Temperature controlled	: No
14.6.4. Special shipping instructions	: None

15. Regulatory information

15.1. Labeling according to EEC directives

Product label name	: Finawax OPA
Symbol(s) :	Xi : Irritant.

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

S – phrases : S26 : In case of contact with eyes, rinse immediately with plenty of
(Safety) water and seek medical advice.
S36 : Wear suitable protective clothing

15.2. National regulations

15.2.1. U.S.A.

TSCA inventory status	: Regulated
CERCLA section 103 (40CFR302.4)	: No regulated.
SARA hazard categories, Sara section 311/312 (40CFR370.21) –	
- Acute hazard	: None
- Chronic hazard	: None
- Fire hazard	: None
- Reactivity hazard	: None
- Sudden release hazard	: None
OSHA process safety (29CFR1910.119)	: No regulated.
Canadian Environmental Protection Act	: Listed in domestic substances list
European Inventory of Existing commercial Chemical substance (EINECS)	: Listed
Korean Existing Chemical list (ECL)	: Listed
European Communities Classification	:

Hazard Symbol	: Xi (irritant)
Risk Phrases	: R 36/37 /38 Irritating to eyes, respiratory system and skin
Safety Phrases	: S26 – in case of contact with eye, rinse immediately with plenty of water and seek medical attention.

16. Other information

MSDS revision status

MSDS date	:	May 1, 2002
Last revision date	:	Nil
Reason for revision	:	Not applicable
Prepared by	:	R&D Center

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