



GlobalVillage Sourcing, P. O. Box 600, Round Rock, TX 78680-0699

MATERIAL SAFETY DATA SHEET

GLOBASOL™ AOX 8

1. Identification of the Substance

CHEMICAL NAME OCTADECYL-3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONATE
TRADE NAME GLOBASOL™ AOX 8
CAS NO 2082-79-3

2. Composition

COMPOSITION : BENZENEPROPANOIC ACID-3,5-BIS(1,1-DIMETHYL)-4-HYDROXY-OCTADECYL
ESTER

CAS NO : 2082-79-3 MOLECULAR FORMULA C₃₅H₆₂O₃
MOLECULAR WEIGHT 531
SYNONYMS: IRGANOX 1076 (CIBA GEIGY PRODUCT)
CONCENTRATION: 99-100 wt%.

3. Hazards Identification

No special hazards

HMIS RATING : Health 2, Flammability 1, Reactivity 0

4. First Aid Measures

Skin contact

Wash off with soap and plenty of water. Do not use organic solvents.

Eye contact

Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.

Inhalation

Move to fresh air. In case of prolonged exposure, indisposition, irritation of respiratory system or mucous membranes, seek medical attention.

Ingestion

Immediately give plenty (>500ml) of water (if possible charcoal slurry). In case of spontaneous vomiting make sure that **vomits can freely drain due to danger of suffocation. Give water repeatedly. Artificial induction of**



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vomiting should be restricted to first aid staff. Seek medical advice.

5.Fire-Fighting Measures

Suitable extinguishing media

Water spray, Carbon dioxide (CO₂), Foam, Dry powder.

Extinguishing media which must not be used for safety reasons

High volume water jet.

Exposure hazards

Contaminated water from fire hoses or sprinklers, etc, must be prevented from draining into watercourses, sewers, or the ground water. Sufficient measures must be taken to retain water used for extinguishing. Contaminated water and soil must be disposed of in conformity with local regulations.

Special protective equipment for firefighters

Wear full protective clothing. Wear self-contained breathing apparatus.

Hazardous decomposition products

Oxides of carbon, phosphorus, nitrogen (NO_x), toxic gases/vapors.

6.Accidental Release Measures

Personal precautions

Do not breathe vapors/dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

Environmental precautions

Do not flush into surface water, sanitary sewer or ground water system.

Methods for cleaning up

Use mechanical handling equipment. Collect spilled product into suitable containers, which must be tightly sealed and properly labeled. Avoid dust formation.

7.Handling and Storage

Handling

Avoid dust formation and ignition sources. Ensure good local exhaust ventilation. Do not eat, drink or smoke at the workplace. Danger! Explosion risk. Risk of explosion if an air-dust mixture forms. Avoid creation dusty conditions. Empty only into earthed container or use a system otherwise designed to prevent or contain an explosion-seek expert advice.

SHELF LIFE: 1 year, when stored in a sealed container protected from light, heat and air. Please keep in a cool and dry place (40 ° C) to avoid caking and lumping of the product.



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8.Exposure Controls/ Personal Protection

| | |
|---------------------------------|--------------------------------------|
| Exposure limit(s) | Value not tested. |
| Technical measures/ Precautions | No special precautions required. |
| Respiratory protection | Effective dust mask. |
| Hand protection | Protective gloves. |
| Eye protection | Suitable goggles or face protection. |
| Skin and body protection | Working clothes, closed footwear. |

9.Physical and Chemical Properties

| | |
|---------------------------|----------------------------|
| Form | POWDER |
| Color | WHITE |
| Odor | ODORLESS |
| Melting/ temperature | 49-54°C |
| Density | 0.5-0.7(BULK) |
| Flash point | 273°C Marcusson (open cup) |
| Ignition Temperature | 340°C BAM |
| Oxidizing properties | Not tested |
| Self-ignition temperature | Not tested |
| Water solubility | <0.01wt% in water @ 20°C |



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| | |
|---------------------------------------|---|
| Vapor pressure | 2*10 ⁽⁻⁹⁾ mmHg (20°C) |
| Partition coefficient; Log Pow | Octanol/water coefficient : > 6Log Po/w |
| PH-value | 5.73 for 1% suspension in water |
| Explosive properties | Not tested |

10. Stability and Reactivity

| | |
|---|---|
| Decomposition temperature | >350 °C |
| Condition to avoid | Static discharges. |
| Materials to avoid | Strong acids, bases and oxidizing agents. |
| Hazardous decomposition products | Oxides of carbon, phosphorous, nitrogen (NO _x), toxic gases and vapors. |

11. Toxicological Information

| | |
|---------------------------------------|---|
| Acute oral toxicity (Rat) | LD50 >10000mg/kg |
| Acute dermal | LD50 (Rabbits) > 2000 mg/kg |
| Irritation/corrosion (Rats) | LC50 (Rats) >1.8 mg/l air for a 4-hour dust exposure with approx.90% of particles >7 microns diameter. There were no mortalities at this concentration. |
| Acute eye irritation/corrosion | Not irritant |
| Rabbit | |
| Skin Irritation(Rabbits) | Not irritant |
| Intraperitoneal LD50(Rats) | >1000mg/kg |



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12. Ecological Information

Acute Toxicity to Fish: Rainbow trout, 96 hour, LC50: > 100ppm Bluegill, 96 hour, LC50 :> 100ppm.

Acute Toxicity to Invertebrates: Daphnia magna, 24 hour, EC50:> 100ppm

Acute Toxicity to Algae: Green algae, 0-72 hour, EC50 > 30ppm.

Toxicity to Sewage Bacteria: Inhibitory concentration on respiration of aerobic waste water bacteria: IC20, IC50, IC80 > 100ppm

Biodegradability: Combined Zahn-Wellens/carbon dioxide evolution test: Inherently biodegradable with 21-47% in 35 days

Sturm test: Partially biodegradable.

Chemical Oxygen Demand: 2.52 g COD/g

Ecotoxic effects

Incinerate in a chemical incinerator equipped with an after-burner and scrubber. Follow all regulations. Do not discharge product unmonitored into the environment.

13. Disposal Considerations

Waste from residues/unused products

Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.

Contaminated packaging

Contaminated packaging material should be treated similar to residual chemical. Clean packaging material should be subjected to waste management (recovery recycling, reuse) according to local legislation.

14. TRANSPORTATION INFORMATION

NO classification assigned.

LAND TRANSPORT ADR/RID: No classification assigned.

AIR TRANSPORT IATA/ICAO: NO classification assigned.

MARITIME TRANSPORT TMDG: No classification assigned.



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15.REGULATORY INFORMATION

Classification not required.

ACCORDING TO DIRECTIVES:1999/45/CEE,67/548/CEE,91/155/CEE

ACCORDING TO THE LATEST ATEX REGULATIONS.

EINECS:229-722-6, US TSCA, Canada DSL , Australia , China , Korea, Philippines , Japan

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