

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Substance: Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate

Trade Names/Synonyms: SONGNOX™ 1076

3,5-Bis(1,1-dimethylethyl)-4-hydroxybenzenepropanoic acid, octadecyl ester;

3,5-Di-tert-butyl-4-hydroxyhydrocinnamic acid, octadecyl ester;

Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester;

Hydrocinnamic acid, 3,5-di-tert-butyl-4-hydroxy-, octadecyl ester; C35H62O3

Chemical Family: Hydrocarbon, aromatic ester

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SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient Name	CAS No.	EC Number	%	Exposure Limits
Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate	2082-79-3	218-216-0	Min. 99	Y (Hazardous) 15 mg/m3 (PNOR) (OSHA PEL TWA) Not established (OSHA PEL STEL) Not established (OSHA PEL CEIL) 10 mg/m3 (PNOS) (ACGIH TLV TWA) Not established (ACGIH TLV STEL) Not established (ACGIH TLV CEIL)
Indented chemicals are components of previous ingredient. PNOR = Particulates Not Otherwise Regulated PNOS = Particulates Not Otherwise Specified				

SECTION 3 HAZARDS IDENTIFICATION

NFPA Ratings (Scale 0-4): Health=1 Fire=1 Reactivity=0

Emergency Overview:

Odorless, white to off-white crystalline powder (1076 PW) or free flow (1076 FF), fusion crystal (1076 FC), liquid

(1076 LQ)

May form flammable or explosive dust-air mixtures. (except 1076 LQ)

Avoid breathing dust. Keep container tightly closed. Avoid creation of dust. (except 1076 LQ)

Use only with adequate ventilation.

Potential Health Effects:

Inhalation: Not expected to be a hazard in normal industrial use.

Short Term Effects: May cause irritation.

Long Term Effects: No information is available.

Skin Contact: Not expected to be a hazard in normal industrial use.

Short Term Effects: No information available on significant adverse effects.

Long Term Effects: May cause redness and swelling of the skin.

Eye Contact: Not expected to be a hazard in normal industrial use.

Short Term Effects: No information available on significant adverse effects.

Long Term Effects: No information is available.

INGESTION: Not expected to be a hazard in normal industrial use.

Short Term Effects: No information available on significant adverse effects.

Long Term Effects: No information is available.

Carcinogen Status:

OSHA: N

NTP: N

IARC: N

SECTION 4 FIRST AID MEASURES

Inhalation:

FIRST AID- 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:

FIRST AID- 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). Get medical attention immediately.

Eye Contact:

FIRST AID- 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:

FIRST AID- If vomiting occurs, keep head lower than hips to help prevent aspiration.

Treat symptomatically and supportively. Get medical attention if needed.

Note To Physician

ANTIDOTE: No specific antidote. Treat symptomatically and supportively.

SECTION 5 FIRE FIGHTING MEASURES

Fire And Explosion Hazards: Slight fire hazard when exposed to heat or flame.

Dust/air mixtures may ignite or explode.

Extinguishing Media: Dry chemical, carbon dioxide, water spray or regular foam.

For larger fires, use water spray, fog or regular foam (1993 Emergency Response Guidebook, RSPA P 5800.6).

Firefighting:

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 Page31).

Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind.

Flash Point: 523 F (273 C) (Marcusson)

Lower Flammable Limit: No data available

Upper Flammable Limit: No data available

Autoignition: No data available

Hazardous Combustion Products: Thermal decomposition products may include toxic oxides of carbon.

SECTION 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.

SECTION 7 HANDLING AND STORAGE

Observe all federal, state and local regulations when storing this substance.

Keep containers tightly closed when not in use.

Store away from incompatible substances.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

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 fume are present.

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.

Respirator: 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 for 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 Firefighting And Other Immediately Dangerous To Life Or Health Conditions:

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

Any supplied-air respirator that has a full facepiece 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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Description: Odorless, white to off-white, crystalline powder (1076 PW) or free flow (1076 FF), fusion crystal (1076 FC), liquid (1076 LQ).

Molecular Weight: 531

Molecular Formula: C35-H62-O3

Boiling Point: Not applicable

Melting Point: Min. 49°C

Vapor Pressure: Negligible @ 20°C

Vapor Density: Not applicable

Specific Gravity: 1.02

Water Solubility: Insoluble

Volatility: <0.5%

PH: Not applicable

Odor Threshold: No data available

Evaporation Rate: Not applicable

Solvent Solubility: Soluble in benzene, xylene, ethyl acetate, acetone, and hexane.

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Stable under normal temperatures and pressure.

Conditions To Avoid: May burn but does not ignite readily.

Avoid contact with strong oxidizers, excessive heat, sparks, or open flame.

Incompatibilities: Oxidizing materials

Oxidizers (Strong): Fire and explosion hazard.

Hazardous Decomposition: Thermal decomposition products may include toxic oxides of carbon.

Polymerization: Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicity Data: >1.3 mg/L/4 hours inhalation-rat LC Lo ;

>2000 mg/kg skin-rabbit LD50 ;

>10,000 mg/kg oral-rat LD50 ;

>1000 mg/kg intraperitoneal-rat LD50 .

CARCINOGEN STATUS: None.

Acute Toxicity Level: Slightly toxic by dermal absorption and ingestion.

Target Effects: No data available.

At Increased Risk From Exposure: Persons with pre-existing skin conditions.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Impact Rating (0-4): No data available

Acute Aquatic Toxicity: >100 mg/L EC50 in Daphnia magna (24H)

>100 mg/L LC50 in Salmo gairdneri (96H)

>100 mg/L LC50 in Lepomis macrochirus (96H)

>30 mg/L EC50 in algae (72H)

>100 mg/L EC50 in bacteria

Degradability: No data available

Log Bioconcentration Factor (BCF): No data available

Log Octanol/Water Partition Coefficient: No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Observe all federal, state and local regulations when disposing of this substance.

SECTION 14 TRANSPORT INFORMATION

U.S. Department Of Transportation: No classification assigned.

Canadian Transportation Of Dangerous Goods: No classification assigned.

Land Transport ADR/RID: No classification assigned.

Air Transport IATA/ICAO: No classification assigned.

Maritime Transport IMDG: No classification assigned.

SECTION 15 REGULATORY INFORMATION

TSCA Inventory Status: Y

CERCLA Section 103 (40CFR302.4): N

SARA Section 302 (40CFR355.30): N

SARA Section 304 (40CFR355.40): N

SARA Section 313 (40CFR372.65): N

OSHA Process Safety (29CFR1910.119): N

California Proposition 65: N

SARA Hazard Categories, SARA Sections 311/312 (40 CFR 370.21)

Acute Hazard: N

Chronic Hazard: N

Fire Hazard: N

Reactivity Hazard: N

Sudden Release Hazard: N

SECTION 16 OTHER INFORMATION