



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco AO 1076**

Other means of identification:

Product Description: Stabilizer

Synonyms: Octadecyl-3,5-di-t-butyl-4-hydroxyhydrocinnamate; Antioxidant 1076

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Westco AO-1076 is an antioxidant used in a wide variety of polymers. It has low color generation characteristics and is used whenever color is of major importance. This product is a good thermal stabilizer and effectively reduces degradation of most polymeric substances

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: Western Reserve Chemical Corporation

Address: 4837 Darrow Road
Stow, OH 44224
USA

General Phone Number: 330 650 2244

General Fax Number: 330 650 2255

Emergency phone number::

Emergency Phone Number: Chemtrec 1 800 424 9300 USA

Website: www.wrchem.com

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Class: This product is not classified according to the Globally Harmonized System (GHS)

Hazard Statements: Not expected to be a hazard however, as with any contact with dusts, irritation of the eye, skin, or respiratory system is possible.

Precautionary Statements: Keep in well ventilated area. Avoid contact with dust.

Hazards not otherwise classified that have been identified during the classification process:

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Eye: Not expected to be a hazard in normal use. As with any dust, symptoms of irritation such as redness, stinging, and watering may be possible with contact.

Skin: Not expected to be a hazard in normal use. As with any dust, symptoms of irritation such as redness and itching may be possible with contact.

Inhalation: Not expected to be a hazard in normal use. As with any dust, symptoms of irritation such as coughing may be possible with inhalation.

Ingestion: Not expected to be a hazard in normal use.

Chronic Health Effects: None known.

Physical Health Hazard: Exposure to dust may cause irritation to eyes, skin, or respiratory system.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Octadecyl-3,5-di-t-butyl-4-hydroxyhydrocinnamate	2082-79-3	≥ 99 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact: Wash skin with plenty of soap and water. Get medical attention if irritation.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Ingestion: If conscious, drink plenty of water. In case of vomiting, be sure that vomit can freely drain. If unconscious, do not drink anything. Get medical attention if required.

Indication of immediate medical attention and special treatment needed:

Note to Physicians: Avoid inhaling dust or irritating eye and skin.

Notes : In case of doubt, seek medical advice.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Water spray, carbon dioxide, dry chemical or chemical foam.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts: Irritating or toxic gases may be generated from decomposition/combustion products. Under low oxygen conditions, carbon, monoxide may be produced.

Special protective equipment and precautions for fire-fighters:

Protective Equipment: As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire Fighting Instructions: Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions: General Information: Use proper personal protective equipment as indicated in Section 8. Remove all sources of ignition.

Environmental precautions:

Environmental Precautions: Do not flush into sanitary sewer or bury into ground to avoid impact on environment.

Methods for cleanup: Cleaning Methods: Vacuum or sweep up material and place into a suitable disposal container. Avoid dust formation. Thoroughly flush residue with water.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Handle with care. Avoid breathing dust. Avoid contact with skin and eyes. Avoid dust formation and ignition sources.

Hygiene Practices: Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities:

Storage: Store in a cool, dry place. Store in a tightly closed container. Keep away from food and drink.

Specific end use(s):

Work Practices: Safety showers and eye wash stations should be available.

Notes : Danger: There is a risk of explosion if an air-dust mixture forms. Do not smoke or weld at the workplace. Use grounding bands to minimize static.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep air fresh.

Individual protection measures:

Eye/Face Protection: Wear suitable goggles, or face protection.
Skin Protection Description: Wear appropriate protective clothing.
Hand Protection Description: Wear appropriate protective gloves.
Respiratory Protection: Effective dust mask.
Other Protective: Body: Wear appropriate protective clothing.
PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Solid
Physical State Appearance: Crystalline powder or free flowing
Color: White
Odor: Odorless
Melting Point: 49-54 deg C
Density: 1.02 g/cm³
Vapor Pressure: 2.5×10⁻⁷ Pa
pH: 5.73 for a 1% suspension in water
Flash Point: 273 deg C
Flash Point Method: DIN 51584
Lower Flammable/Explosive Limit: Not Available
Upper Flammable/Explosive Limit: Not Available
Auto Ignition Temperature: 340 deg C BAM

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:

Chemical Stability: Stable.

Conditions To Avoid:

Conditions to Avoid: Static discharges.

Incompatible Materials:

Incompatible Materials: Materials to Avoid: Strong oxidizing agents, acids, and bases.

Hazardous Decomposition Products:

Special Decomposition Products: Oxides of carbon, toxic gases.
Carbon monoxide, carbon dioxide toxic, gases.
Decomposition Temperature: > 350 deg C.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Octadecyl-3,5-di-t-butyl-4-hydroxyhydrocinnamate :

Skin: Dermal: Not irritant (Rabbit)
Ingestion: Oral: LD50: > 2000 mg/kg (Rat)
Sensitization: Skin: Not sensitising (Guinea pig)

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: To fish: LC50 > 100 mg/l (Zebra fish, 96 hours)
To daphnia: EC50 > 100 mg/l (Daphnia magna, 24 hours)
To bacteria: IC50 > 100 mg/l (Sewage sludge, 3 hours)
To algae: EC50 > 30 mg/l (Scenedesmus sp., 72 hours)

Persistence and degradability:

Biodegradation: Not biodegradable.

Octadecyl-3,5-di-t-butyl-4-hydroxyhydrocinnamate :

Ecotoxicity:

Ecotoxicity:

Ecotoxic effects: Not discharge into environment.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Residuals should be disposed by incineration or other modes of disposal consistent with federal, state, and local regulations. Contaminated packaging material should be treated same as the residuals. Non-contaminated may be re-used or re-cycled.

RCRA Number: Spilled product is not considered an RCRA Hazard Waste per 40 CFR 261.3.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Non regulated.

DOT UN Number: Not Listed.

DOT Pictograms:



IATA Shipping Name: Non regulated.

IATA Pictograms:



IMDG Shipping Name : Non regulated.

ICAO Shipping Name: Non regulated.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

TSCA Inventory Status: All components of this product are listed in the TSCA inventory of Chemicals Substances.

CERCLA Section 302: Not a hazardous substance under CERCLA(40 CFR 302.4).

Section 311/312 Hazard Categories: Not Reportable.

Section 313: This product does not contain any material regulated under Title III, Section 313

RCRA 261.33 Code: RCRA STATUS: Not a hazardous waste under RCRA(40 CFR 261).

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1
HMIS Fire Hazard: 0
HMIS Reactivity: 0
HMIS Personal Protection: J

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	J

SDS Revision Date: July 14, 2015

Notes : Important Note: This information relates to the specific product described herein and may not be valid for this material when used in combination with other raw materials. The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application

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