



HARWICK
S T A N D A R D

Safety Data Sheet
ANTIOXIDANT 102
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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: ANTIOXIDANT 102

Other means of identification

Chemical name: 4,4'-Methylenebis(2,6-di-tert-butylphenol)

Synonyms: 2,2',6,6'-Tetra-tert-butyl-4,4'-methylenediphenol

Recommended use and restrictions on use: Antioxidant

Supplier information:

Manufactured for and supplied by:

Supplier: Harwick Standard Distribution Corporation

Supplier Address: 60 S. Seiberling Street, Akron, OH 44305

Contact: Health, Safety & Environment

Telephone: 330-798-9300

Website: www.harwickstandard.com

SECTION 2 – HAZARD(S) IDENTIFICATION

Classification of the substance or mixture:

Skin Irritation, Category 2

Eye Irritation, Category 2A

Specific Target Organ Toxicity (STOT)-Single Exposure, Respiratory System, Category 3

OSHA Regulatory Status: Classified as hazardous based on components.

GHS Label Elements

Hazard symbol:



Signal word: Warning

Hazard statements:

Causes skin irritation

Causes serious eye irritation

May cause respiratory irritation

Precautionary Statements:



Avoid breathing dust.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear eye protection/face protection.
Wear protective gloves.
IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
Store in a well-ventilated place.
Keep container tightly closed.
Store locked up.
Dispose of contents/container to waste treatment in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Substance

<u>Components Chemical Identity</u>	<u>CAS Number</u>
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4,4'-Methylenebis(2,6-di-tert-butylphenol)
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118-82-1

SECTION 4 – FIRST AID MEASURES

Inhalation: If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin contact: Immediately wash with soap and water and rinse thoroughly. Consult a physician.

Eye contact: Immediately rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.



Most important symptoms/effects, acute and delayed: Refer to labeling, see Section 2.2, and/or Section 11.

Indication of immediate medical attention and special treatment needed: No data available.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing method:

In case of fire, use water spray or fog, carbon dioxide (CO₂) or dry chemical.

Unsuitable extinguishing method:

Do not use water jet, as this will spread the fire.

Specific hazards arising from chemical:

Carbon oxides.

Fire may produce irritating, corrosive and/or toxic fumes.

Special firefighting equipment and precautions for firefighters:

Wear self-contained respirator.

Wear fully protective impervious suit.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment.

Avoid dust formation.

Avoid inhalation of vapors and spray mists.

Ensure adequate ventilation.

Evacuate personnel to safe areas.

Avoid breathing dust.

Refer to Section 8 for appropriate personal protective equipment.

Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Sweep up or shovel. Keep in suitable container for disposal.

Environmental precautions:

Do not let product enter drains.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid formation of dust. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into



consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities:

Keep away from heat sparks and open flame.
Store in cool, dry conditions in well-ventilated place.
Keep container tightly sealed.
Store away from incompatible materials (See Section 10).

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: No values have been established.

Engineering Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety glasses with side shields.

Skin/Hand protection: Avoid skin contact.
Impervious gloves.
Check protective gloves prior to each use for their proper condition
The selection of suitable gloves not only depends on the material, but also on the quality. Quality will vary from manufacturer to manufacturer.

Body protection: Protective work clothing.
The type of protective equipment must be selected according to the concentration and amount of the dangerous substances at the specific workplace.

Respiratory protection: Use suitable respirator when high concentrations are present.
Do not breathe dust/fume/gas/mist/vapors/spray. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level, an approved respirator must be worn.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Off white powder
Odor: No data available
Odor Threshold: No data available
pH: No data available
Melting Point/Melting Range: 155-159°C (311-318°F)



Initial boiling point/boiling range:	289°C (552°F) at 53 hPa
Flash Point (°C):	No data available
Flammability (solid/gaseous):	No data available
Decomposition Temperature:	No data available
Auto-ignition Temperature:	No data available
Explosive Properties:	No data available
Explosion Limits:	
Lower:	No data available
Upper:	No data available
Relative Density (Specific Gravity):	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Solubility:	No data available
Evaporation Rate:	No data available
Partition Coefficient: (n-octanol/water)	No data available
Viscosity:	No data available

SECTION 10 - STABILITY & REACTIVITY

Reactivity: No data available.

Chemical stability: Material is stable under recommended storage conditions.

Possibility of hazardous reactions: No data available

Conditions to avoid: No data available

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - Rat - > 24,000 mg/kg

Inhalation: No data available

LD50 Dermal - Rat - > 2,000 mg/kg

No data available

Skin corrosion/irritation

No data available



Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No further relevant information available.



SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal instructions:

Product: Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Disposal must be made according to official regulations.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT: Not applicable/Not regulated.

SECTION 15 - REGULATORY INFORMATION

U.S.:

TSCA Inventory Status: All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory.

Title III SARA Status

SARA Section 313-Toxic Chemicals:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

SECTION 16 - OTHER INFORMATION

Issue date: 02-27-2019

Revision date: 07-09-2019

Version #: 02

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