



# TECKNOX HP1010

## SAFETY DATA SHEET

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### 1. Identification

**Product Identifier/Code** Tecknox HP1010, Hindered Phenolic Antioxidant  
**Recommended use** Adhesives, Sealants, plastics, rubber and other formulations  
**Recommended restrictions** None known  
**Manufacturer** Teckrez, Inc.  
**Company address** 4217 Baymeadows Rd, Suite 2  
Jacksonville, FL 32217 USA  
Office: 1-904-215-7885  
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Emergency: 1-904-881-2205

### 2. Hazards Identification

**Physical hazards** Not classified; molten material will cause thermal burns.  
**Health hazards** Not classified; no known human health hazards  
**OSHA defined hazards** Combustible dust  
**Label elements**  
**Hazard Symbol** None  
**Signal word** None  
**Hazard statement** May form combustible dust concentrations in air.  
**Precautionary statement** Practice good industrial hygiene. Wash hands and other exposed areas after handling. Waste disposal in accordance with local requirements.  
**Storage** Store in protective environment, away from incompatible materials and elevated temperature equipment.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Hazards not otherwise classified (HNO C)** None known

### 3. Composition/Information on Ingredients

Chemical Name	CAS number	%
Tetrakis [methylene-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate] methane	6683-19-8	100%

### 4. First-aid Measures

**Inhalation** Move exposed person to fresh air. Keep person warm and at rest. Get medical attention if symptoms persist.  
**Skin contact** Flush contaminated skin with soap and water. Remove contaminated clothing and shoes. Cool as quickly as possible if exposed to molten material. Do not attempt to remove adhered material from skin; material will come off as healing occurs. Get medical attention if symptoms occur.

**Eye contact** Immediately flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses if easy to do. Get medical attention if irritation occurs and persists.

**Ingestion** Seek medical attention.

**Most important symptoms/ effects, acute and delayed** Dust may irritate intestinal track.

**Indication of immediate medical attention and special treatment needed** Burns should be treated as thermal burns; material will come off as healing occurs.

## 5. Fire-fighting Measures

**Suitable extinguishing media** Water spray, dry chemical, carbon dioxide

**Unsuitable extinguishing media** Avoid high pressure extinguisher application which could spread fire.

**Specific hazards arising from the chemical** Powdered material may cause explosive dust-air combinations, particularly in presence of static electricity. Hazardous decomposition products in the case of a fire includes: CO<sub>2</sub>, carbon monoxide, smoke.

**Specific protective equipment and precautions** Appropriate protective clothing and self- contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

**Specific methods** Use standard firefighting procedures and consider hazards of other materials.

## 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures** Use suitable protective equipment. Keep unnecessary personnel away from material.

**Methods and materials for containment and cleaning up** Vacuum or carefully contain and collect material and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal.

**Environmental precautions** Keep from drains; prevent uncontrolled run-offs.

## 7. Handling and Storage

**Precautions for safe handling** Wash thoroughly after handling. Prevent contact with molten material.

**Conditions for safe storage, including any incompatibilities** Keep container tightly closed in a cool, well-ventilated area. Keep away from ignition sources and static electricity. Employ good housekeeping practices to prevent build-up of dust and residue.

## 8. Exposure Controls/Personal

### 8.1 Occupational exposure limits

USA ACGIH	ACGIH (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable dust)
USA ACGIH	Remark (ACGIH)	Particulates, not otherwise classified
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)
USA OSHA	Remark (US OSHA)	Particulates, not otherwise classified

### 8.2 Exposure controls

**Appropriate engineering controls** Ensure good ventilation of the work station. Consider explosion proof ventilation equipment.

<b>Hand protection</b>	Protective chemical resistant gloves
<b>Eye protection</b>	Safety glasses with side shields (or goggles)
<b>Skin and body protection</b>	Wear suitable protective clothing, including appropriate clothing for exposure to molten material.
<b>Respiratory protection</b>	Where exposure through inhalation may occur from use, respiratory protection equipment of approved standard is recommended. Wear appropriate respiratory protection, if occupational exposure limits are exceeded or irritation/sensitivity is experienced.

## 9. Physical and Chemical Properties

<b>Appearance</b>	
Physical state	Solid
Form	Powder
Color	White
Odor	Odorless
pH	Not applicable
Melting point	110-125°C
Initial boiling point	>500°C
Flash point	Open cup 297°C
Evaporation rate	Not determined; considered negligible
Auto ignition temperature	Not determined
Flammability (solid, gas)	Not determined
Decomposition temperature	Not established. Very low hazard expected at normal operating conditions.
Density @20°C	1.11 g/cm <sup>3</sup> (9.3 lb(s)/gal)
Solubility	Insoluble in water. Good solubility in aliphatic and aromatic hydrocarbons.
Viscosity	not determined

## 10. Stability and Reactivity

<b>Reactivity and chemical stability</b>	Non-reactive and stable under normal operating conditions. Decomposition can occur at highly elevated temperatures.
<b>Possibility of hazardous reactions</b>	None known under normal operating conditions.
<b>Conditions to avoid</b>	Open flame, static electricity, dusty conditions
<b>Incompatible materials</b>	Strong oxidizing agents, acids, bases
<b>Hazardous decomposition products</b>	Smoke, carbon dioxide, carbon monoxide and other toxic gases

## 11. Toxicology Information

<b>Information on likely routes of exposure</b>	
Inhalation	Dust and vapor may irritate respiratory system.
Skin Contact	No known significant effects. Molten material causes thermal burns.
Eye Contact	Direct contact with eyes may cause temporary irritation
<b>Information on toxicological effects</b>	
Oral	Oral LD50 (Rat): >2,000 mg/kg
Dermal	LD50 (Rabbit): >15000 mg/kg
Skin corrosion/irritation	Not classified as a skin irritant
Serious eye damage/irritation	Not classified as an eye irritant
Respiratory sensitization	No data available
Skin sensitization	This product is not expected to cause skin sensitization.

<b>Germ cell mutagenicity</b>	Not classified as mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity-single exposure</b>	Not classified
<b>Specific target organ toxicity-repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not available

## 12. Ecological Information

### • Toxicity

<b>Aquatic toxicity:</b>	
EC50 (24h)	>86 MG/L (DAPHNIA) OECD Guideline 202, Daphnia magna)
EC50 (72h) (static)	>100 mg/L (Algae) (Guideline 87/302/EEC, Desmodesmus subspicatus)
LC50 (96h)	>100 mg/L (Fish) (OECD Guideline 203, Brachydanio rerio)

**Persistence and degradability** Not readily biodegradable

- **Bioaccumulative potential** No information available.
- **Mobility in soil (logKoc) (QSAR)** No information available
- **Results of PBT and vPvB assessment** no information available
- **Other adverse effects** No further relevant information available

## 13. Disposal Considerations

**Disposal instructions** Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

## 14. Transport Information

**DOT** Not regulated as dangerous goods  
**IATA** Not regulated as dangerous goods  
**IMDG** Not regulated as dangerous goods

## 15. Regulatory Information

**Inventory Status:**  
**United States (TSCA)** All ingredients are on the inventory or exempt from listing  
**Canada (DSL)** All ingredients are on the inventory or exempt from listing  
**Australia (AICS)** All ingredients are on the inventory or exempt from listing  
**China (IECSC)** All ingredients are on the inventory or exempt from listing  
**European Union (EINECS)** All ingredients are on the inventory or exempt from listing  
**Japan (ENCS)** All ingredients are on the inventory or exempt from listing  
**New Zealand (NZIoC)** All ingredients are on the inventory or exempt from listing  
**Philippines (PICCS)** All ingredients are on the inventory or exempt from listing

<b>South Korea (ECL)</b>	All ingredients are on the inventory or exempt from listing
<b>Taiwan (TCSI)</b>	All ingredients are on the inventory or exempt from listing

<b>15.1. US Federal regulations</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. This substance is on the US EPA TSCA and Canadian DSL inventory list.
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<b>TSCA Section 12(b) Export Notification (40 CFR 707, subpoint D)</b>	Not regulated
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<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed
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<b>OSHA Specially Regulated Substances (29 CFR 1010.1001-1050)</b>	Not listed
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<b>Superfund Amendments and Reauthorization Act 1986 (SARA) Hazard Categories</b>	Immediate Hazard: No; Delayed Hazard: No; Fire Hazard: No; Pressure Hazard: No; Reactivity Hazard: No
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<b>SARA 302 Emergency Hazardous Substance</b>	Not regulated
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<b>SARA 304 Emergency Release Notification</b>	Not regulated
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<b>SARA 311/312 Hazardous Chemical</b>	No
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<b>SARA 313 TRI Reporting</b>	Not regulated
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<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) list</b>	Not regulated
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<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated
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<b>Safe Drinking Water Act (SDWA)</b>	Not regulated
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<b>15.2. US State regulations</b>	
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<b>California Controlled Substances, Dept. of Justice (CA Health and Safety Code Section 11100)</b>	Not regulated
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<b>Massachusetts RTK-Substance List</b>	Not regulated
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<b>New Jersey Worker and Community RTK Act</b>	Not listed
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<b>Pennsylvania Worker and Community RTK Law</b>	Not listed
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<b>Rhode Island RTK</b>	Not listed
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**16. Other Information, including date of preparation or last revision**

<b>NFPA health hazard</b>	1
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<b>NFPA fire hazard</b>	1
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<b>NFPA reactivity</b>	0
<b>HMIS III Rating</b>	
<b>Health</b>	1
<b>Flammability</b>	1
<b>Physical hazard</b>	0
<b>Personal protection</b>	See section 8 of SDS
<b>Version</b>	1.0
<b>Date of issue</b>	Dec.1, 2015

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