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**Section 1. Product and Company Identification**

<b>Product Name</b>	Butylated Hydroxytoluene
<b>Product ID</b>	B7977
<b>Chemical Name (Synonyms)</b>	BHT; Antracine 8; Ionol CP; Sustane; Dalpac; Impruvol; Vianol
<b>Supplier</b>	LKT Laboratories, Inc 545 Phalen Blvd. St. Paul, MN 55130 USA Ph: 651-644-8424 Fax: 651-644-8357 www.lktlabs.com - getinfo@lktlabs.com
<b>Emergency Phone #</b>	1-800-424-9300

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**Section 2. Hazards Identification**

<b>GHS Classification</b>	Acute aquatic toxicity (Category 1), H400 Chronic aquatic toxicity (Category 1), H410
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**GHS Label elements including precautionary statements**

<b>Pictogram</b>	
<b>Signal word</b>	Warning
<b>Hazard and precautionary statements</b>	<b>Hazard statement</b> H410 - Very toxic to aquatic life with long lasting effects. <b>Precautionary statements</b> P273 - Avoid release to the environment. P391 - Collect spillage. P501 - Dispose of contents/ container to an approved waste disposal plant.

<b>HMIS Classification</b>	Health hazard: 0 Chronic health hazard: * Flammability: 1 Physical hazard: 0
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<b>NFPA Rating</b>	Health hazard: 2 Fire hazard: 1 Physical hazard: 0
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<b>Potential Health Effects</b>	Inhalation - May be harmful if inhaled. May cause respiratory tract irritation. Skin - May be harmful if absorbed through skin. May cause skin irritation. Eyes - May cause eye irritation.
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Ingestion - May be harmful if swallowed.

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### Section 3. Composition/Information on Ingredients

<b>Substances</b>	Ingredient: Title Compound	Percent: 100		
<b>Formula</b>	C <sub>15</sub> H <sub>24</sub> O		<b>Formula Wt.</b>	220.35
<b>CAS No.</b>	128-37-0		<b>EC No.</b>	204-881-4

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### Section 4. First Aid Measures

<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Flush eyes with water as a precaution.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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### Section 5. Firefighting Measures

<b>Flash Point</b>	127.0°C
<b>Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
<b>Firefighting Procedures</b>	Wear self-contained breathing apparatus for firefighting if necessary.
<b>Unusual Fire Hazards</b>	Carbon oxides.

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### Section 6. Accidental Release Measures

<b>Personal Precautions</b>	Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
<b>Methods and materials for containment and cleanup</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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### Section 7. Handling and Storage

<b>Handling</b>	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
<b>Storage Conditions</b>	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: Ambient
<b>Hazardous Decomposition Products</b>	Not available.
<b>Other Remarks</b>	

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## Section 8. Exposure Controls/Personal Protection

### Personal protective equipment

**EXPOSURE CONTROLS**  
Contains no substances with occupational exposure limit values. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### PERSONAL PROTECTION

**Eye/face protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full and splash contact - Material: Nitrile rubber, Minimum layer thickness: 0.11 mm, Break through time: 480 min., Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M).

**Body protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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## Section 9. Physical and Chemical Properties

<b>Physical State</b>	Solid.	<b>Color</b>	White crystals.
<b>Boiling Point</b>	265°C	<b>Volatility</b>	Not available.
<b>Melting Point</b>	71°C	<b>Density</b>	Not available.
<b>Solubility</b>	Insoluble in water. Soluble in ethanol, acetone, or DMSO.	<b>pH</b>	Not available.
<b>Flash Point</b>	127.0°C	<b>Ignition temperature</b>	Not available.
<b>Lower explosion limit</b>	Not available.	<b>Autoignition temperature</b>	470.0°C
<b>Upper explosion limit</b>	Not available.	<b>Vapor pressure</b>	Not available.
<b>Water solubility</b>	Insoluble in water.	<b>Odor</b>	Not available.
<b>Partition coefficient: n-octanol/water</b>	log Pow: 5.1	<b>Odor Threshold</b>	Not available.
<b>Relative vapor density</b>	Not available.	<b>Evaporation rate</b>	Not available.

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## Section 10. Stability and Reactivity

<b>Stability</b>	Stable under recommended storage conditions.
<b>Materials To Avoid</b>	Oxidizing agents, bases, brass, copper, acid chlorides, and acid anhydrides.
<b>Hazardous Decomposition Products</b>	Not available.

**Possibility of hazardous reactions** Not available.

**Conditions to avoid** Not available.

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### Section 11. Toxicological Information

**Oral LD50** Rat - 890 mg/kg  
Mouse - 650 mg/kg  
Behavioral: Tremor, lungs, thorax, or  
Respiration: Chronic pulmonary edema.

**Skin corrosion/irritation** Not available.

**Inhalation LC50** Not available.

**Serious eye damage/irritation** Not available.

**Dermal LD50** Not available.

**Respiratory or skin sensitization** Not available.

**Other information on acute toxicity** Not available.

**Germ cell mutagenicity** Not available.

**Reproductive Toxicity** Not available.

**Aspiration Hazard** Not available.

**Specific organ toxicity single exposure (GHS)** Not available.

**Synergistic effects** Not available.

**Specific organ toxicity repeated exposure (GHS)** Not available.

**Additional Information** RTECS: G07875000  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Teratogenicity** Not available.

**Signs and symptoms of exposure** Not available.

**Potential Health Effects** Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.  
Skin - May be harmful if absorbed through skin. May cause skin irritation.  
Eyes - May cause eye irritation.  
Ingestion - May be harmful if swallowed.

**Carcinogenicity** This product is or contains a components that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.  
**IARC:** 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2,6-di-tert-Butyl-p-cresol).  
**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 identified as a carcinogen or potential carcinogen by OSHA.

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### Section 12. Ecological Information

**Toxicity** Toxicity to fish-LC50-Oryzias latipes - 5.3 mg/l - 48 h.  
Toxicity to daphnia and other aquatic invertebrates - static test EC50 - Daphnia magna (Water flea) - 0.48 mg/l - 48 h.  
Toxicity to bacteria - Growth inhibition EC50 - Protozoa - 1.7 mg/l - 24 h.

**Mobility in soil** Not available.

**PBT and vPvB assessment** PBT/vPvB assessment not available as chemical safety assessment not required/not

conducted.

**Persistence and degradability** Not available.

**Other adverse effects** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

**Bioaccumulative potential** Not available.

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### Section 13. Disposal Considerations

**Waste Disposal** Dispose of material according to all federal, state, and local regulations.  
Offer material to a licensed, professional waste disposal company to dispose of as unused product.

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### Section 14. Transport Information

**DOT (US)** Not dangerous goods.

**IATA** Not dangerous goods.

**IMDG** UN number: 3077 Class: 9 Packing group: III EMS No.: F-A, S-F  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2,6-di-tert-Butyl-p-cresol) Marine pollutant: Yes

**Further Information** EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

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### Section 15. Regulatory Information

**Reach No.**

**SARA 302 Components** SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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

**SARA 311/312 Components** No SARA hazards.

**Massachusetts Right To Know Components** Butylated Hydroxytoluene CAS #: 128-37-0 Revision Date: 1993-04-24

**Pennsylvania Right To Know Components** Butylated Hydroxytoluene CAS #: 128-37-0 Revision Date: 1993-04-24

**New Jersey Right To Know Components** Butylated Hydroxytoluene CAS #: 128-37-0 Revision Date: 1993-04-24

**California Prop 65 Components** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

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### Section 16. Other Information

**Other information** The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.

**Updated** 5/9/2019

For emergencies in the USA, call  
CHEMTREC 800-424-9300