

# SAFETY DATA SHEET

## 1. IDENTIFICATION

<b>Product identifier</b>	<b>Dodecyl Maltopyranodide : Cholesteryl Hemisuccinate Tris Salt 10:1 Solution</b>
<b>Common names or synonyms</b>	D310:CH210 solution
<b>Supplier</b>	Anatrace Products, LLC
<b>Address</b>	434 West Dussel Dr
<b>Telephone</b>	Maumee, OH 43537
<b>Fax</b>	(419) 740-6600
<b>Email</b>	customerservice@anatrace.com
<b>Emergency phone number</b>	Chemtrec (800) 424-9300 Outside USA & Canada (703) 527-3887 Chemtrec ID# 696910
<b>Chemical Characterization</b>	Detergent
<b>Recommended use of chemical</b>	For research use only.
<b>Restrictions on use</b>	Not intended for diagnostic or therapeutic use.

## 2. HAZARD(S) IDENTIFICATION

<b>Hazard classification</b>	Classification of the substance or mixture according to Regulation (EC) No 1272/2008:  Acute toxicity, oral (Category 5) Acute toxicity, dermal (Category 5) Acute toxicity, inhalation (Category 5)
<b>Signal word</b>	Warning
<b>Hazard statements</b>	H303: May be harmful if swallowed H313: May be harmful in contact with skin H333: May be harmful if inhaled
<b>Pictograms</b>	<b>None</b>
<b>Precautionary statements</b>	P261 Avoid breathing dust/fumes/gas/mist/vapors/spray. P280 Wear protective gloves. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Hazards not otherwise classified</b>	Not a hazardous substance or mixture.
<b>Percentage of mixture containing ingredients with unknown toxicity</b>	S:22 Do not breathe dust. S:24 Avoid contact with skin. S:36/37 Wear suitable protective clothing and gloves

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Components</u>		CAS number	EC Number	Weight %
<b>Chemical name</b>	Cholesteryl Hemisuccinate Tris Salt	102601-49-0	N/A	1.0%
	n-Dodecyl-β-D-maltopyranoside	69227-93-6	N/A	10%

**Other name(s)** Lauryl maltoside : 5-Cholesten-3β-ol-hemisuccinate solution  
**Chemical Formula** C<sub>24</sub>H<sub>46</sub>O<sub>11</sub>, C<sub>27</sub>H<sub>46</sub>O

**Impurities and stabilizing additives** N/A

Other components None

NOTE: Components not identified are not hazardous or are below regulatory disclosure limits.

### 4. FIRST-AID MEASURES

GENERAL ADVICE: Seek medical advice if irritation persists.

EYES: Flush with water thoroughly for 15 minutes, lifting upper and lower lids occasionally. Seek medical advice if irritation persists.

SKIN: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.

INHALATION: Remove the victim from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.

INGESTION: Drink plenty of water and seek immediate medical attention. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person. Seek medical attention.

Wash contaminated clothing before reuse.

#### Symptoms and effects

N/A

#### Medical Care

Refer to physician. Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing equipment

Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self-contained breathing apparatus.

For small fires only: use water fog, dry powder, or foam. Emits toxic fumes under fire conditions.

NFPA Rating: H=0 F=0 R=0.

#### Inappropriate extinguishing equipment

N/A



<b>Flash point and method</b>	No information available.
<b>Hazards when burning</b>	Carbon oxides
<b>Special instructions for firefighters</b>	Emits toxic fumes under fire conditions.
<b>Firefighting equipment</b>	Wear NIOSH (or equivalent) approved self-contained breathing apparatus and wear full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Wear suitable gloves, chemical safety goggles, lab coat. NIOSH-approved respirator. Avoid contact with skin and eyes. Keep container in a well-ventilated place. Mechanical exhaust required.  HMIS Ratings: H=0 F=0 R=0.
<b>Emergency procedures</b>	Evacuate all personnel to safe areas.
<b>Containment</b>	Wear appropriate personal protective equipment. Keep container tightly closed. Avoid contact of material with skin or eyes. Use adequate ventilation. Store at 4°C.
<b>Clean-up procedures</b>	Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, heavy rubber gloves, rubber boots, and NIOSH-approved respirator. Collect in a manner that does not create dust and place in a suitable waste container. Use adequate ventilation. Wash area with soap and water.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Exercise caution when handling contents of the container. Wash with soap and water before eating, drinking, smoking, or using toilet facilities.
<b>Storage</b>	Keep in closed or covered containers when not in use. Store at 4°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>OSHA Permissible Exposure Limits (PELs)</b>	N/A
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**American Conference of Governmental Industrial Hygienists Threshold Limit Values (TLVs)**

N/A

**Other recommended exposure limits**

This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

**Engineering controls**

Showers  
Eyewash stations  
Ventilation systems

**Personal protective measures**

Eye/Face  
Skin and Body  
Respiratory

Chemical splash goggles  
Wear protective gloves and adequate clothing.  
NIOSH-approved respirator for nuisance dust.

**Requirements for personal protective equipment**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	Liquid	<b>Color</b>	Clear
<b>Odor</b>	No information	<b>Odor threshold</b>	No information available
<b>pH</b>	5-8	<b>Flash point</b>	Not applicable
<b>Melting point</b>	No information available.	<b>Freezing point</b>	No information available
<b>Initial boiling point</b>	No information available	<b>Boiling range</b>	Not applicable
<b>Evaporation rate</b>	No information available	<b>Flammability</b>	No information available
<b>Upper flammability</b>	No data available	<b>Lower flammability</b>	No data available
<b>Vapor pressure</b>	No data available	<b>Vapor density</b>	No information available
<b>Relative density</b>	No data available	<b>Viscosity</b>	No data available
<b>Solubility</b>	Soluble, water	<b>Partition coefficient</b>	No data available
<b>Auto-ignition temperature</b>	No information available	<b>Decomposition temperature</b>	No information available

**10. STABILITY AND REACTIVITY**

**Reactivity** Product is stable.

**Chemical stability** None.



<b>State in normal ambient temperature and conditions</b>	Stable
<b>Necessary stabilizers</b>	None
<b>Safety issues if product changes physical appearance</b>	N/A
<b>Other</b>	None
<b>Possibility of hazardous reactions</b>	Hazardous polymerization will not occur under standard conditions.
<b>Conditions to be avoided</b>	Excess exposure to heat, light and air.
<b>Incompatible materials</b>	None
<b>Known or anticipated hazardous decomposition products</b>	Hazardous decomposition products include carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

<b>Effects of exposure</b>	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
<b>Routes of exposure</b>	May be harmful by inhalation, ingestion, or skin absorption.
<b>Short-term exposure</b>	EYES: May cause eye irritation. SKIN: Prolonged or repeated skin contact may result in irritation. May cause flushing and/or allergic reaction. INHALATION: No known toxicity, but excessive dust may cause irritation if inhaled. Dust may stimulate nasal mucosa. INGESTION: Chronic ingestion or excessive dosage may cause nausea, vomiting, urine discoloration, ataxia and peripheral sensory neuropathy.  RTECS: No data available.
<b>Long-term exposure</b>	There are no known chronic effects associated with this material.
<b>Medical conditions aggravated by exposure</b>	No information available
<b>Toxicity</b>	
<b>Acute Toxicity</b>	No information available
<b>Chronic Toxicity</b>	No information available
<b>Symptoms</b>	No information available
<b>Carcinogen or potential carcinogen</b>	No information available
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available

<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	May cause respiratory irritation
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	May cause long lasting harmful effects to aquatic life.
<b>Persistence/degradability</b>	No information available
<b>Bioaccumulation potential</b>	No information available
<b>Potential for soil to groundwater movement</b>	No information available
<b>Other adverse effects</b>	No information available

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal</b>	Dispose of material in accordance with applicable local, state, and federal regulations.
<b>Appropriate containers</b>	No information available
<b>Appropriate methods</b>	No information available
<b>Physical and chemical properties affecting disposal</b>	No information available
<b>Precautions for landfills or incineration activities</b>	No information available
<b>RCRA hazardous waste code</b>	N/A
<b>Special instructions</b>	No information available

NOTE: Chemicals should not be disposed of in or near sewers and waterways.

## 14. TRANSPORT INFORMATION



<b>UN number</b>	Not regulated	<b>UN proper shipping name</b>	Not regulated
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**Transport hazard classes**

<b>Department of Transportation hazard class</b>	Not regulated	<b>Transportation of Dangerous Goods hazard class</b>	Not regulated
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**Packing group number** N/A

**Environmental hazards** No information available

**Guidance on transport in bulk** No information available

**Special transport or conveyance precautions**  
 DOT (US)  
 Not dangerous goods  
 IMDG  
 Not dangerous goods  
 IATA  
 Not dangerous goods

**15. REGULATORY INFORMATION**

**OSHA regulatory status (29 CFR 1910.1200)** SARA 302 - No applicable information.  
 SARA 313 - This material is not reportable under 313.  
 California Proposition 65 - No applicable information

**Department of Transportation regulations** Not regulated under current DOT, IMO, or ICAO regulations  
 RCRA - No applicable information

**Environmental Protection Agency regulations** TSCA Inventory Status Listed No applicable information  
 EPA TSCA Section 8(b) - No applicable information.  
 Exposure Limits - Not established

**Consumer Product Safety Commission regulations** No applicable information

**16. OTHER INFORMATION**

**Abbreviations**  
 ACGIH – American Conference of Governmental Industrial Hygienists  
 NIOSH – The National Institute for Occupational Safety and Health  
 HMIS – Hazardous Material Identification System  
 RTECS – Registry of Toxic Effects of Chemical Substances  
 IARC – International Agency for Research on Cancer  
 EPA – Environmental Protection Agency  
 RCRA – Resource Conservation and Recovery Act  
 SARA – Superfund Amendments and Reauthorization Act  
 NTP – National Toxicology Program Annual Report on Carcinogens.  
 LC50 – Lethal Concentration to 50 % of a test population  
 LD50 – Lethal Dose to 50% of a test population



OECD – Organization for Economic Co-operation and  
Development  
TSCA – Toxic Substances Control Act (United States)

**Creation**

8/29/2018

**Latest revision**

9/21/2020

**SDS number**

D310/CH210 10:1

**Disclaimer**

The above information is believed correct but is not guaranteed to be all-inclusive and shall only be used as a guide. The Company shall not be held liable for any damage resulting from handling or contact with the above product.