

# Safety Data Sheet

Revision: 01/22/2014

Hazard information is provided for compliance with both the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations

## IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT NAME:  
CYMAL-4, ANAGRADE

PRODUCT CODE:  
C324

## SUPPLIER:

Anatrace Products, LLC., 434 West Dussel Drive, Maumee, OH 43537 Phone: (419) 740-6600  
Please visit our website at [www.anatrace.com](http://www.anatrace.com) for contact information on Anatrace product distributors within your area.

## Emergency Contact:

Chemtrec (800) 424-9300  
Outside USA & Canada (703) 527-3887  
Chemtrec ID# 696910

## HAZARDS IDENTIFICATION

### GHS

This substance is not classified as dangerous according to directive EC/1272/2008.

### LABEL ELEMENTS

**Hazard statements**  
No applicable information.

**Precautionary statements**  
No applicable information.

### CHIP

This substance is not classified as dangerous according to directive 67/548/EEC.

### R & S phrases

No applicable information.

## COMPOSITION/INFORMATION ON INGREDIENTS

### HAZARD

4-Cyclohexyl-1-butyl- $\beta$ -D-maltoside

### CAS NO.

181135-57-9

### EC NO:

N/A

### %WT

$\geq 99\%$

## FIRST-AID MEASURES

**EYES:** Flush with water for 15 minutes. 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. Keep victim quiet and warm. Seek immediate medical attention.  
**INGESTION:** Drink water and seek immediate medical attention. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

## FIRE-FIGHTING INFORMATION

Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self contained breathing apparatus. For small fires only: use carbon dioxide, dry powder or foam. Emits toxic fumes under fire conditions. NFPA Rating: H=0 F=0 R=0.  
Flash Point = No data available.

## ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. Collect in a manner that does not create dust and place in a suitable waste container. Avoid contact of material with skin or eyes. Use adequate ventilation.

## HANDLING AND STORAGE

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. Avoid contact of material with skin or eyes. Use adequate ventilation. Store at -20°C.

## PERSONAL PROTECTION

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH (or equivalent) and appropriate to the hazard. Avoid contact of material with skin or eyes. Mechanical ventilation or local exhaust as needed to control exposure to dust, vapors or mists. Access to a safety shower and eye-wash. HMIS Ratings: H=0 F=0 R=0.

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White crystalline powder  
Vapor Pressure: No data available  
Solubility (Water): Soluble  
Percent Volatile: No data available  
Chemical Formula: C<sub>22</sub>H<sub>40</sub>O<sub>11</sub>

Boiling Point: No data available  
Vapor Density: No data available  
Specific Gravity: No data available  
Evaporation Rate: No data available  
Melting Point: No data available

## STABILITY AND REACTIVITY

Product is stable. Hazardous decomposition products include carbon oxides. Hazardous polymerization will not occur.

TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE: To the best of our knowledge the chemical, physical and toxicological properties for this material have not been thoroughly investigated.

EYES: No known toxicity, but contact may cause irritation and slight corneal injury.

SKIN: May cause flushing and possibly irritation 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.

ADDITIONAL INFORMATION:

RTECS: No data available.

Definition(s): RTECS = Registry of Toxic Effects of Chemical Substances.

ECOLOGICAL INFORMATION

No applicable information.

DISPOSAL CONSIDERATIONS

Dispose of material in accordance with applicable local, state, and federal regulations.

TRANSPORTATION INFORMATION

US DOT / IATA: No applicable information.

REGULATORY INFORMATION

RCRA - No applicable information.

SARA 302 - This material does not have an RQ or TPQ.

SARA 313 - This material is not reportable under 313.

EPA TSCA Section 8(b) - No applicable information.

Exposure Limits - Not established.

California Proposition 65 - No applicable information.

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.