

# MATERIAL SAFETY DATA SHEET

## SECTION I

ANATRACE, INC.  
434 WEST DUSSEL DRIVE  
MAUMEE, OHIO 43537  
TELEPHONE (419) 891-3030  
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## SECTION II - IDENTITY/HAZARDS

**NAME: CHAPS, ANAGRADE<sup>7</sup>**  
**(3-[(3-Cholamidopropyl)-dimethylammonio]-1-propane sulfonate)**

**CATALOG # C316**

CAS # 75621-03-3

(3-(3-Cholamidopropyl)-Dimethylammonio)-1-Propane Sulfonate Dihydrate  
Merck Index 11,2034 / No toxicity data available

## SECTION III - PHYSICAL CHEMICAL CHARACTERISTIC

M.P. 157°C (Decompose) / White crystalline powder / Soluble in water

## SECTION IV - FIRE AND EXPLOSION HAZARD

Extinguishing media: Water spray. Carbon dioxide, dry chemical powder, or foam.  
Special firefighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
Unusual fire and explosions hazards.  
Emits toxic fumes under fire conditions.

## SECTION V - REACTIVITY DATA

Incompatible to strong oxidizing agents, strong acids, strong bases. Combustion or decomposition products carbon monoxide, carbon dioxide, nitrogen, oxides or sulfur oxides.

## SECTION VI - HEALTH HAZARD

Acute effects:

Harmful if swallowed, inhaled, or absorbed through skin.  
Causes severe irritation.  
Material is irritating to mucous membranes and upper respiratory tract.  
Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Chemical Emergency (24 hr):  
- Within U.S. & Canada (800-424-9300)  
- International (703-527-3887)

Effective Date: 01/25/1993 Revised: 07/15/2004

First aid:

In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.  
Assure adequate flushing of the eyes by separating the eyelids with fingers.  
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician. Wash contaminated clothing before reuse.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.  
Use only in a chemical fume hood.  
Safety shower and eye bath.  
Faceshield (8-inch minimum).  
Do not breathe dust.  
Do not get in eyes, on skin, on clothing.  
Avoid prolonged or repeated exposure.  
Wash thoroughly after handling.  
Severe irritant.  
Keep tightly closed.  
Store in a cool dry place.

## SECTION VIII - CONTROL MEASURES

Steps to be taken if material is released or spilled  
Evacuate area.  
Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.  
Sweep up, place in a bag and hold for waste disposal.  
Avoid raising dust.  
Ventilate area and wash spill site after material pickup is complete.

Waste disposal method

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber.

## SECTION IX – COMMENTS

The absence of hazard, toxicity or other information does not imply or guarantee that a product is safe. Handle all chemicals with due and appropriate caution and under competent supervision. Minimize exposure and contact. Use good manufacturing or laboratory practices. This bulletin is for your guidance and is based upon information and tests believed to be reliable. Anatrace makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. The data are offered solely for your consideration, investigation, and verification. These suggestions should not be confused with either state, municipal, or insurance requirements, or with national safety codes and constitute no warranty. Any use of these data and information must be determined by the user to be in accordance with applicable Federal State and local regulations.