Material Safety Data Sheet (MSDS)

NUTRI-CAL

HEALTH HAZARD INFORMATION

This product does not pose a serious toxicity hazard to humans nor to animals under normal exposure conditions during handling.
CARCINOGENICITY: None of the components are listed by RCRA, CWA, or IARC as a carcinogen.
SAFETY PRECAUTIONS: Avoid contact with eyes, skin or clothing.

FIRST AID:

- ?? Skin contact: Flush skin with water.
- ?? Eye contact: Flush eyes with plenty of water. Call physician.
- ?? Ingestion: Give weak alkali and water. Call physician.
- ?? Inhalation: No special treatment necessary for normal vapor inhalation

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PROTECTION INFORMATION

Do not mix with oxidants.

Personal protective equipment: Cover eyes with goggles if splash is likely. Use rubber gloves for material handling.

DISPOSAL INFORMATION

Spil leak, or release: Wash with water and use normal drainage system.
Waste disposal: No special precautions; it can be drained to water system or directly to soil.

TRANSPORTATION AND STORAGE REQUIREMENTS

This material is non corrosive

The data in this Material Safety Data Sheet relates only to specific materials designated herein and does not relate to use in combination with any other material or in any process.
Information about material composition will remain confidential and be used for the purpose of protecting the health and safety of our workers, the preservation of our property, and to comply with regulatory codes and requirements.
Date of last revision: 1/24/94

Responsibility for MSDS:

CSI Corporation

P.O. Box 39, Bondurant, IA

(515) 967-4294

MATERIAL IDENTIFICATION

Name:	**NUTRI-CAL**
Chemical Family:	Calcium & Ammonium salts of carboxylic acids.
Formulas:	Acids complexes CA [ooc-(CHOH)n-coo] n = 3,4 (NH4)2 [ooc-(CHOH)n - coo] n = 3,4
Molecular Weights:	Acid comp lexes avg. 214, 218

COMPONENTS

Material	CAS Number
Calcium Nitrate	13477-34-4
Clycolic Acid	79-14-1

PHYSICAL DATA

Form	Liquid
Color	Dark brown
Density	1.24 - 1.30 g/cm3 20 o C
ph	6.5 - 7.5
Odor	Sweet

HAZARDOUS REACTIVITY

Instability:	Stable.
Incompatibility:	Incompatible with oxidizers with non violent reaction, and no fumes produced.
Decomposition:	Decomposition temperature 80 degrees C.
toxic products of decomposition:	None.
Polymerization:	Polymerization will not occur.
Fire and explosion hazards:	This material is not flammable, combustible, not explosive.
Extinguishing media:	Not needed.