



**MATERIAL SAFETY
DATA SHEET**

Emergency Numbers: Beckman Coulter @ 714-871-4848

Chemtrec @ 1-800-424-9300

1. IDENTIFICATION OF PRODUCT

This Material Safety Data Sheet applies to:

<u>Product Name</u>	<u>Part No.</u>
Hemoliance Calcium Chloride	49737020

2. COMPOSITION

INGREDIENT NAME	CONCENTRATION PERCENT BY WEIGHT	EXPOSURE LIMITS
Calcium Chloride CAS No.: 10035-04-8 EINECS No.: 233-140-8 Hazard Classification: Xi (as raw material) Risk Code: R36: irritating to eyes	0.29 (0.02 molar)	No exposure limits established by ACGIH or OSHA

This product contains no hazardous components as defined in OSHA 29 CFR 1910.1200

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES

Direct eye contact may cause irritation.

SKIN

Prolonged or repeated contact may cause mild irritation.

INGESTION

None known.

INHALATION

None known.

4. FIRST AID MEASURES

EYES

In case of eye contact, flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.

SKIN

Wash hands with soap and water after handling product.

INGESTION

None normally required.

INHALATION

None normally required.



5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: none

LOWER EXPLOSIVE LIMIT (%): N/A

UPPER EXPLOSIVE LIMIT (%): N/A

FIRE AND EXPLOSION HAZARDS

None known.

EXTINGUISHING MEDIA

Use any extinguishing agent which is suitable for the surrounding fire.

FIRE FIGHTING INSTRUCTIONS

None normally required.

6. ACCIDENTAL RELEASE MEASURES

Contain spill by placing a suitable absorbent material around the edges of the spill and work inward. Carefully scoop up into a waste container for disposal.

7. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS

Reference product labeling for handling and storage information.

WORK/HYGIENIC PRACTICES

Use good hygienic practices. Wash thoroughly after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

None normally required.

EYE/FACE PROTECTION

None normally required. Safety glasses or splash goggles are recommended.

SKIN PROTECTION

None normally required. Disposable gloves are recommended.

RESPIRATORY PROTECTION

None normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Liquid, color not determined.

ODOR

Not determined.

BASIC PHYSICAL PROPERTIES

VAPOR PRESSURE: not determined.

SPECIFIC GRAVITY: not determined.

SOLUBILITY (H₂O): not determined.



10. STABILITY AND REACTIVITY

STABILITY: stable.

CONDITIONS TO AVOID (STABILITY): none known.

INCOMPATIBLE MATERIALS: none known.

HAZARDOUS DECOMPOSITION PRODUCTS: none known.

HAZARDOUS POLYMERIZATION: will not occur.

11. TOXICOLOGICAL INFORMATION

MISCELLANEOUS TOXICOLOGICAL INFORMATION

Carcinogenicity: NTP : no IARC: no OSHA: no

Calcium Chloride: ipr-mus LD50 20500 mg/kg; orl-rat LD50 1000 mg/kg (anhydrous form); mutagenic and tumorigenic data (anhydrous form) (NIOSH 1985/86).

The health effects noted above are based on the extrapolation of data on the pure product ingredients. To the best of our knowledge, no health effects have been identified for the product mixture under normal conditions of use, although the health effects of the product have not been thoroughly investigated.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None known.

12. ECOLOGICAL INFORMATION

OTHER ENVIRONMENTAL INFORMATION

This product does NOT contain any ingredients which are regulated on the U.S. EPA List of Toxic Chemicals (40 CFR 372), and is therefore not subject to release reporting under section 313 of EPCRA.

The health effects noted above do not meet the criteria for establishment of a SARA Hazard Classification for this product.

-Calcium Chloride dry: effect toxic to fish (5100 mg/L) and crustacean (990 mg/L)

Use in accordance with good laboratory practice. Do not waste in the environment.

13. DISPOSAL CONSIDERATIONS

Based on EEC Directive No. 75/442 and 78/319 and following modifications, the product waste is classified as non-toxic and non-harmful. Dispose of in accordance with local regulations. Used waste products, surplus products or spillage products shall be disposed of in accordance with national and local laws. It is up to the user to classify the waste correctly prior to disposal.

14. TRANSPORT INFORMATION

None.



15. REGULATORY INFORMATION

This product is classified and labeled in accordance with EEC Directive 88/379 and EEC Directive 91/155 and following modifications. The health hazard classification has been determined based on composition and hazard data of each ingredient.

Physical and health hazard information on the reagent mixture has not been determined.

Any physical and health hazard information noted is based on a) evaluation of data of the pure ingredient and b) concentration of each ingredient.

KIT HAZARD CLASSIFICATION

- Symbol: N/A
- Risk Code: N/A
- Safety Code: S24/25 - 29
 - S24/25: avoid contact with skin and eyes
 - S29: do not empty into drains

16. OTHER INFORMATION

REFERENCE DOCUMENTATION

Primary references used in the preparation of this document

1. Product Circular
2. OSHA Z-Table, 1910.1000 (Revised Final Rule)
3. ACGIH Threshold Limit Values and Biological Exposure Indices (1989-90)

NOTE

The information supplied in this Safety Data Sheet represents the data and best information available at the date of preparation. It is provided with the aim of allowing proper and safe use, storage, transport and disposal of the product. It is not to be considered as a warranty or specification of product quality. It is related to the materials specifically indicated and does not apply if these are used in combination with other materials or during processes not specifically indicated in the text of this Safety Data Sheet.