



Hummel Croton Inc.
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Phone: 908-754-1800
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In Case Of Emergency Call Chemtrec®
(U.S.) (800) 424-9300
(International) (703) 527-3887

Lactose Safety Data Sheet

1. Product and Company

Product name: Lactose Monohydrate
Synonym: Milk Sugar, Alpha Lactose
CAS-No.: 10039-26-6
Company: Hummel Croton Inc.
10 Harmich Rd.
South Plainfield, NJ 07080
Telephone: 908-754-1800
Fax: 908-754-1815

HMIS Rating	
Health	1
Flammability	0
Reactivity	0
Personal Protection	E

Emergency telephone number
Emergency Phone #: Chemtrec US: 800-424-9300
Chemtrec International: 703-527-3887

2. Hazards

GHS Classification Combustible dust

GHS Label elements

Pictogram(s) Not a hazardous substance or mixture.

Signal word Not a hazardous substance or mixture

Hazard statement(s)

May form combustible dust concentrations in air

Precautionary statement(s)

None

Hazards not otherwise classified (HNOC) or not covered by GHS

Combustible dust.

3. Composition/Ingredients

Substance

Formula: $C_{12}H_{22}O_{11} \cdot H_2O$

Molecular weight: 360.31 g/mol

CAS-No.: 10039-26-6

Material	CAS	%	OSHA	ACGIH
Lactose	10039-26-6	100%	Not Established	Not Established

4. First Aid

First Aid For Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

First Aid For Skin: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

First Aid For Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

First Aid For Ingestion: If swallowed, call a physician immediately.

5. Fire Data

Flammability: Non-Flammable

Flash Point: Not Applicable

Auto Ignition: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Use fire-extinguishing media for surrounding fire conditions.

Fire Fighting Procedure: Firefighters should wear self-contained breathing apparatus and prevent contact with skin and eyes.

Fire/Explosion Hazards: Emits toxic fumes under fire conditions.

6. Accidental Release

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water.

Collect wash water for approved disposal. Keep from entering water or ground water.

7. Handling And Storage

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimited in tightly sealed container

Special Sensitivity: None.

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

8. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

9. Physical And Chemical Properties

Physical Form: Powder or crystal

Color: White

Odor: Faint sweet odor

Molecular Weight: 360.31 g/mol

Boiling Point: Not established

Melting/Freezing Point: Becomes anhydrous at 120°C. Melts above 825°C

Solubility In Water: 20 g/ 100mL at ambient temperature

Specific Gravity: 1.53

10. Stability And Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizing agents

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: Not established

Decomposition Products: Oxides of carbon

11. Toxicological Information

RTECS Number: OD9625000 (This number is for Anhydrous Lactose)

Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: lvn-dog LDLo: 1500 mg/kg (for Anhydrous Lactose)

Chronic Toxic Effects: This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness.

Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

12. Ecological Information

Ecotoxicity: Not available at this time.

13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

14. Transportation Information

Proper Shipping Name: Lactose

UN Number: N/A

Class: N/A

P.G.: N/A

Label Code: N/A

15. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive effects.

SARA 313 Title III:

Section 320 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

16. Other Information

Prepared By: Michael Richard

Date: June 15, 2015

Reason For Issue: GHS Compliance

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