



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: CASEIN (ALL GRADES)

Chemical Name: Casein

Recommended Use: Industrial

Manufactured for and supplied by:

Supplier: Harwick Standard Distribution Corporation

Supplier Address: 60 S. Seiberling Street, Akron, OH 44305

Contact: Health, Safety & Environment

Telephone: 330-798-9300

Website: www.harwickstandard.com

SECTION 2 – HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture:

Material is not considered hazardous by the OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS Label Elements:

Hazard symbol: None

Signal word: None

Hazard Statements:

No known significant effect or critical hazards.

Precautionary Statements:

Prevention: Not applicable.

Response: Not applicable.

Storage: Not applicable.

Disposal: Not applicable.

Hazard(s) not otherwise classified (HNOC): None known

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture:

Components Chemical Identity CAS Number Weight%

Casein	9000-71-9	100
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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4 – FIRST AID MEASURES

Eye contact: Flush with water for 15 minutes. If irritation develops, consult a physician.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Skin contact: Wash with soap and water. If irritation develops, consult a physician.

Ingestion: Consult a physician.

Most important symptoms/effects, acute and delayed:

Potential acute health effects:

Eye contact:	No known significant effects or critical hazards.
Inhalation:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.

Over-exposure signs/symptoms:

Eye contact:	No specific data
Inhalation:	No specific data
Skin contact:	No specific data
Ingestion:	No specific data

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing method: In case of fire, use water spray (fog), foam, dry chemical or carbon dioxide (CO₂)

Unsuitable extinguishing method: None known.

Specific hazards arising from chemical: None known.

Special firefighting equipment and precautions for firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



Firefighting equipment/instructions: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Methods and materials for containment and cleaning up:

Dry clean-up, i.e. vacuum, sweepings, etc. Use dilute caustic soda for wet clean up.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Keep storage containers sealed. Minimize dusting. Despite not being hazardous, it's advisable to follow prudent practices of avoiding breathing of any dry powder material.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry place not directly against floor or outside.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: None

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses.

Skin protection:

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.



Other protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

General hygiene considerations: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Free flowing powder
Odor:	Bland
pH:	Not available
Boiling Point/Range:	Not available
Melting Point/Range:	Not available
Flash Point (°C):	Not available
Flammable/Explosion Limits:	Not available
Vapor Pressure:	Not available
Solubility:	Not available
Partition Coefficient: (n-octanol/water)	Not available
Auto-ignition Temperature:	Not available
Viscosity:	Not available
Density:	Not available
Explosive Properties:	Not available

SECTION 10 - STABILITY & REACTIVITY

Reactivity: None known.

Chemical stability: Material is stable under recommended storage and handling conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: None known.



Incompatible materials: None known.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity: Not available.

Irritation/Corrosion:

Skin: Not available.

Eyes: Not available.

Respiratory: Not available.

Sensitization:

Skin: Not available.

Respiratory: Not available.

Germ cell mutagenicity: Not available.

Carcinogenicity: Not listed by NTP, IARC or OSHA.

Reproductive toxicity: Not available.

Teratogenicity: Not available.

Specific target organ toxicity-single exposure: Not available.

Specific target organ toxicity-repeated exposure: Not available.

Aspiration hazard: Not available.

Information on likely routes of exposure: Not available.

Potential acute health effects:

Inhalation: No known significant effects or critical hazards.

Skin Contact: No known significant effects or critical hazards.

Eye Contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Short term exposure:

Potential immediate effects: Not available.



HARWICK
S T A N D A R D

Safety Data Sheet
CASEIN (ALL GRADES)
Page 6 of 7

Potential delayed effects: Not available.
Long term exposure:
Potential immediate effects: Not available.
Potential delayed effects: Not available.
Potential chronic health effects: Not available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not available

Persistence and degradability: Not available.

Bioaccumulative potential:

Mobility in soil:

Soil/water partition coefficient (KOC): Not available

Other adverse effects: No known significant effects or critical hazards.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal instructions: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with federal, state and local regulations. May be disposed of as waste food ingredient.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT Classification: Not DOT regulated.

SECTION 15 - REGULATORY INFORMATION

U.S.:

United States TSCA Inventory: All components are listed or exempt.

SARA 313: This product does not contain a chemical listed at or above de minimis concentrations subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

SECTION 16 - OTHER INFORMATION

Issue date: 05-11-2015

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Revision Information: GHS Format



HARWICK
S T A N D A R D

Safety Data Sheet
CASEIN (ALL GRADES)
Page 7 of 7

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