

**NATIONAL CASEIN® COMPANY
MATERIAL SAFETY DATA SHEET**

No. K-12A

SECTION I General Information Emergency Telephone Number

Company Name and Address:
National Casein Company
 601 West 80th Street
 Chicago, Illinois 60620

Business Hours:
 773-846-7300
 24 Hour Emergency:
 Chemtrec 1-800-424-9300

Latest Revision: 9/00
 Supersedes: 2/00

Trade Name(s) and Synonyms:

DM-10, FC, HF, HF WHITE, HF-1, HF-2, HF-2B, HF-6, HF-19, HF-20, HF-30,
 HF-30 WHITE, HF-69, HF-69-3, 190-69-2, 190-69-3, 190-82-5, 207-88-6,
 Woodstik Hardener 19

Powdered Urea Resin Catalyst

SECTION II Hazardous Ingredients Approx % Exposure Limits

Hazardous Ingredients	Approx %	Exposure Limits
Dust/Particulate N.O.S.	20	TLV 3mg/m ³ (ACGIH) (RESPIRABLE DUST) TLV 10 mg/m ³ (ACGIH) (INHALABLE DUST) PEL 15mg/m ³ TWA (OSHA) (TOTAL PARTICULATE DUST) PEL 5mg/m ³ TWA (OSHA) (RESPIRABLE FRACTION DUST)

SECTION III Physical and Chemical Characteristics

Boiling Point (F): N/A
Specific Gravity: N/A
% Volatile (Approx.): N/A

Physical and Chemical Descriptions:
 Powdered mixture of acidic salts and
 inert cellulosic filler
 Color: Tan or white
 Odor: Slight

SECTION IV Physical Hazards (Fire and Explosion)

Flash Point: N/A

Extinguishing Media: Water, CO₂, Foam

Hazardous Decomposition Products: Vapors of Ammonia and Hydrochloric Acid

Unusual Fire and Explosion Hazards/Procedures: High concentration of dust in air is a potential explosion hazard. Wear NIOSH approved SCBA for fighting fire as toxic gases may be present.

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SECTION V Health Hazard Data

Exposure Limits: N/A for mixture. See Section II.

Primary Route of Entry (Target Organs):

Inhalation: Respiratory system. May irritate nose, throat, and lungs.

Contact: Eyes, skin. May cause skin irritation and/or burn eyes.

Ingestion: Digestive tract. May irritate mouth, esophagus, and stomach.

Emergency and First Aid Procedures:

Inhalation: Move to fresh air. Give artificial respiration if not breathing. Contact physician.

Ingestion: Drink large quantity of water. Contact physician or poison control center. Do not give anything by mouth to an unconscious person.

Eyes: Flush thoroughly with water for 20 minutes. Hold eyelid apart to insure entire surface is thoroughly washed. Get medical attention.

Skin: Wash off thoroughly with soap and water. Wash clothing prior to reuse.

Chronic Health Hazards:

None known.

Effects of Overexposure:

No health problem is anticipated, but as an industrial chemical product overexposure may result in irritation to any human tissues contacted.

Carcinogenic Status: No components at or greater than 0.1% are listed by NTP, OSHA, or IARC as carcinogens.

Conditions Aggravated by Exposure:

None known.

SECTION VI Chemical Hazard Data (Reactivity)

Stability (Conditions to Avoid): Stable under normal conditions.

Incompatibility (Materials to Avoid): Moisture. Keep away from alkalies, acids, nitrates and nitrites.

Hazardous Decomposition Products: If heated beyond 340° C, may decompose to release ammonia or hydrogen chloride gases.


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SECTION VII Spill or Leak Procedures
Steps to be taken if Released or Spilled:

Scoop into a suitable container (bag or drum) for salvage or disposal. Use sorbent material or other means to prevent product from reaching surface water, ground water, sewer system, or any water body.

Waste Disposal Method:

Dispose according to Federal, State and Local Regulations.

SECTION VIII Special Protection Information

Ventilation: Some ventilation needed.

Respiratory Protections: A dust mask may be appropriate if exposure guidelines are exceeded or if workers experience discomfort from dust. Avoid breathing dust or fumes.

Eye Protection: Safety glasses or goggles should be worn.

Protective Gloves: Plastic or rubber gloves should be worn. Cotton gloves are sufficient for dry product.

Other Protective Equipment: Protective clothing such as long-sleeved shirt and long pants should be worn.

SECTION IX Special Precautions/Procedures/Comments
Precautions in Handling and Storing:

Avoid moisture. Keep container closed. Store in a cool, dry, well-ventilated area away from acids, alkalies, nitrites, and nitrates. During handling, avoid getting into eyes and prolonged skin contact. Avoid breathing dust or fumes.

Comments:

In normal use, the Hazard Level of this product is low.

SARA, TITLE III, SEC. 313 NOTIFICATION

See Section II - Chemicals marked with an asterisk (*) are subject to reporting requirements of Sec. 313.

NATIONAL CASEIN® PRODUCT HAZARD RATING
REALISTIC FOR USE:

(NONE-LOW-MEDIUM-HIGH)

HEALTH	- Low	(1)
FIRE	- Low (Dust)	(1)
REACTIVITY	- None	(0)

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, National Casein, Company makes no warranty with respect thereto and disclaims all liability from reliance thereon.