

MATERIAL SAFETY DATA SHEET

Version: 1.1

Date:

08/03/2008



Safety Data Sheet Status: Released

1. PRODUCT AND COMPANY IDENTIFICATION

HYPERFORM® HPN-20E

Product Information: HYPERFORM® HPN-20E

Company Identification:

Milliken Chemical
P.O. Box P.O. Box 1926
Spartanburg, SC, 29303 USA
1-864-472-9041
msds@milliken.com



Emergency Telephone Number:

Chemtrec:
1-800-424-9300 (Chemtrec - US)
1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION

Emergency Overview

The health hazards of this product should be low under normal industrial and commercial uses. High concentrations of dust may form explosive mixture with air.

HFRP Rating

Health	1
Flammability	1
Reactivity	0
Personal protection	E

Eye

Dust may be irritating to eyes and respiratory tract. Not known to cause permanent injury to eye tissue.

Inhalation

Dust in high concentrations may irritate the respiratory system.

Skin

Prolonged contact may cause redness, irritation and dry skin.

Ingestion

No information about adverse effects due to exposure.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product name	CAS Number	Amount
Zinc Stearate	557-05-1	34.0 %

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1,2-Cyclohexanedicarboxylic Acid, Calcium Salt

491589-22-1

66.0 %

4. FIRST AID MEASURES

Eye	Flush thoroughly with water. If irritation occurs, get medical assistance.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Get medical attention if any discomfort continues.
Skin	Wash skin thoroughly with soap and water for several minutes. Contact physician if irritation continues.
Ingestion	If swallowed, immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Fire Fighting Media	Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames.
Fire Fighting Instructions	Use standard firefighting procedures and consider the hazards of other involved materials. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Unusual Fire & Explosion Hazards	Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Safety Advice	Wear appropriate personal protective equipment. The risk of inhalation of dust must be minimized as much as possible.
Spill Cleanup Methods	Dam and absorb spillages with sand, earth or other non-combustible material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labeled container. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

7. HANDLING AND STORAGE

Handling	No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. Wash promptly with soap and water if skin becomes contaminated. Practice good housekeeping. Avoid conditions which create dust.
Handling / Physical Hazards	Avoid extreme temperatures.

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Storage Precautions

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m³.

Eye protection

Wear necessary protective equipment. Avoid contact with eyes and prolonged skin contact. Where contact with this material is likely, chemical goggles are recommended.

Skin and Body Protection

For brief contact, normal work attire should be sufficient. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

Personal protection

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Respiratory Protection

No protection is ordinarily required under normal conditions of use and with adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

powder

Color

White

Odor

Odorless

Solubility (in Water)

Slightly Soluble

Melting Point

120 °C

10. STABILITY AND REACTIVITY

Conditions to Avoid

Avoid contact with acids and oxidizing substances.

Hazardous Polymerization

Hazardous polymerization will not occur.

Hazardous decomposition products

Decomposition will not occur if handled and stored properly.

Remarks

Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.

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11. TOXICOLOGICAL INFORMATION

No data available.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Recommendations

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle empty drums at an appropriate facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal. Ensure drums are tightly sealed.

14. TRANSPORT INFORMATION

Transport classifications may vary by container volume and may be influenced by regional or country variations in regulations.

15. REGULATORY INFORMATION

Regulatory Lists Searched

SARA Title III - Section 313

Component

Zinc Compounds(N982)

557-05-1

16. OTHER INFORMATION

The information contained in this Material Safety Data Sheet is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Milliken Chemical.