

SAFETY DATA SHEET

Version: 2.1

Date:
05/19/2011



1. PRODUCT AND COMPANY IDENTIFICATION

HYPERFORM® HPN-20E

Product Information: HYPERFORM® HPN-20E

Company Identification:

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

The logo is the word "Milliken" written in a cursive, handwritten-style font with a trademark symbol (TM) at the end.

Emergency telephone number:

Chemtrec:

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

2. HAZARDS IDENTIFICATION

Emergency Overview

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.

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.

The product has been classified according to the legislation in force.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Product name	CAS Number	Amount
Zinc Stearate	557-05-1	34.0 %
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	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	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

6. ACCIDENTAL RELEASE MEASURES

Safety Advice	The risk of inhalation of dust must be minimized as much as possible. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.
Spill Cleanup Methods	Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

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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	Keep containers tightly closed.
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

Appropriate engineering controls	No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m ³ .
Eye protection	Wear necessary protective equipment. Avoid contact with eyes and prolonged skin contact. Chemical goggles are recommended.
Skin and Body Protection	For prolonged or repeated skin contact use suitable protective gloves. Wear appropriate clothing to prevent repeated or prolonged skin contact.
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

Appearance powder

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Color	White
Odor	Odorless
Solubility (in Water)	Slightly Soluble
Melting/Freezing 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	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

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.
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14. TRANSPORT INFORMATION

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Department of Transportation (DOT)

Not regulated.

Sea (IMDG)

Not regulated.

Air (ICAO/IATA)

Not regulated.

15. REGULATORY INFORMATION

Additional information is available by request.

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.