

MATERIAL SAFETY DATA SHEET

Version: 1.2

Date:

08/11/2008

Safety Data Sheet Status: Released



1. PRODUCT AND COMPANY IDENTIFICATION

Hyperform® HPN-68L

Product Information: Hyperform® HPN-68L

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

May irritate eyes. Not known to cause permanent injury to eye tissue.

Inhalation

Dust in high concentrations may irritate the respiratory system.

Skin

May cause slight skin irritation Prolonged skin contact may cause temporary irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product name	CAS Number	Amount
Bicyclo[2.2.1]Heptane-2,3-Dicarboxylic Acid, Disodium Salt, (1R,2R,3S,4S)-Rel-	351870-33-2	80.0 %
13-Docosenamide, (13Z)-	112-84-5	10.0 %
Amorphous Silicon Dioxide(Chemically Prepared)	7631-86-9	10.0 %

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4. FIRST AID MEASURES

Eye	Flush thoroughly with water. If irritation occurs, get medical assistance.
Inhalation	Move the exposed person to fresh air at once. Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Get medical attention if cough or other symptoms develop.
Skin	Wash skin thoroughly with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention.

5. FIRE-FIGHTING MEASURES

Fire Fighting Media	Water spray, foam, dry powder or carbon dioxide.
Unusual Fire & Explosion Hazards	High concentrations of dust may form explosive mixture with air.
Remarks	The dust explosion class for this product is St1

6. ACCIDENTAL RELEASE MEASURES

Safety Advice	Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.
Spill Cleanup Methods	Collect in containers and seal securely. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and prolonged or repeated contact with skin. Avoid generation and spreading of dust. Use only in well-ventilated areas. Wear approved safety goggles.
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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/m ³ .
Eye protection	Chemical goggles are recommended.
Skin and Body Protection	No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Exposure Limit Values

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Component	Regulatory Basis	Type	Occupational exposure limits
Amorphous Silicon Dioxide(Chemically Prepared)	Z1A	TWA	6 mg/m3
	NIOSH/GUIDE	REL	6 mg/m3
	Z3	TWA	0.8 mg/m3

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	powder
Color	White
Odor	Odorless
Bulk Density	Result: 278 kg/m3
Solubility (in Water)	Slightly Soluble

10. STABILITY AND REACTIVITY

Stability	This product is stable at ambient conditions.
Hazardous Polymerization	Hazardous polymerization will not occur.
Materials to Avoid	Avoid contact with acids and oxidizing substances.
Hazardous decomposition products	Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : Oral	Type: LD50 Species: Rat Result: > 2,500 mg/kg
Skin irritation.	Classification: Non-irritating Species: Rabbit
Eye Irritation	

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Species: Rabbit
Slightly irritating.

Skin Sensitization

Species: Guinea Pig
Not a skin sensitizer.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Recommendations

Dispose of waste and residues in accordance with local authority requirements.

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

Component

US EPCRA 302

None.

US CERCLA 304

None.

US SARA 313

None present or none present in regulated quantities.

US MA RTK

Amorphous Silicon Dioxide(Chemically Prepared)7631-86-9

US NJ RTK

Amorphous Silicon Dioxide(Chemically Prepared)7631-86-9

US PA RTK

Amorphous Silicon Dioxide(Chemically Prepared)7631-86-9

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.

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