

SAFETY DATA SHEET

Version: 1.8

Date:
06/06/2011



1. PRODUCT AND COMPANY IDENTIFICATION

MILLAD® NX8000

Product Information: MILLAD® NX8000

Company Identification:

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

The Milliken logo, which 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)

Intended Use: clarifier for polyolefins

2. HAZARDS IDENTIFICATION

Emergency Overview

High concentrations of dust may form explosive mixture with air.

HFRP Rating

Health	0
Flammability	1
Reactivity	0
Personal protection	B

Eye

May irritate eyes.

Inhalation

May cause irritation to the respiratory system.

Skin

Prolonged skin contact may cause temporary irritation.

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
Bis(4-propylbenzylidene) propyl sorbitol	882073-43-0	> 99.0 %

4. FIRST AID MEASURES

Eye	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if irritation persists after washing.
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 symptoms occur.
Skin	Wash skin thoroughly with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention.
Ingestion	Give one or two glasses of water if patient is alert and able to swallow. Seek immediate medical attention. Do not induce vomiting. Never give liquid to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flammable Limits

Flammable Limits LEL 20 - 30 g/m³@ 25 °C

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 St3

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 spillage in containers, seal securely and deliver for disposal according to local regulations.

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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.

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/m³.

Eye protection Chemical goggles are recommended.

Skin and Body Protection In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance powder

Color Pale violet

Odor Odorless

Flammable Limits LEL 20 - 30 g/m³@ 25 °C

Ignition Temperature 360 - 380 °C
(Dust Cloud)

Solubility (in Water) Practically Insoluble

Melting/Freezing Point 245 °C

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10. STABILITY AND REACTIVITY

Stability	Stable
Hazardous Polymerization	Hazardous polymerization will not occur.
Materials to Avoid	Avoid contact with acids and oxidizing substances.
Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : Oral

Type: LD50
Species: Rat
Result: > 2,000 mg/kg

Acute Toxicity: Dermal

Component: Bis(4-propylbenzylidene) propyl sorbitol

Type: LD 50
Species: Rat
Result: > 2,000 mg/kg

Skin irritation.

Classification: Slightly irritating.
Species: Rabbit

Eye Irritation

Classification: Slightly irritating.
Species: Rabbit

Skin sensitizer

Component: Bis(4-propylbenzylidene) propyl sorbitol

Result: Not a skin sensitizer.
Species: Mouse

Specific target organ toxicity - repeated exposure

Component: Bis(4-propylbenzylidene) propyl sorbitol

Species: Rat
Route of Entry: Ingestion
NOAEL: 20,000 mg/kg

Genetic Toxicity in vitro

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Type: Ames Assay
Result: The material, as tested, was found to be NEGATIVE in vitro for mutagenicity by Ames assay

12. ECOLOGICAL INFORMATION

Acute Fish Toxicity

Component: Bis(4-propylbenzylidene) propyl sorbitol

Species: Rainbow Trout
Exposure time: 96 h
Result: > 0.0015 mg/l

Acute Toxicity Aquatic

Component: Bis(4-propylbenzylidene) propyl sorbitol

Species: Water flea (Daphnia magna)
Exposure time: 48 h
Type: EC 50
Result: > 0.0015 mg/l

Toxicity to Aquatic Plants

Component: Bis(4-propylbenzylidene) propyl sorbitol

Species: Alga
Exposure time: 72 h
Result: > 0.0015 mg/l

13. DISPOSAL CONSIDERATIONS

Disposal Recommendations

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

14. TRANSPORT INFORMATION

Department of Transportation (DOT)

Not regulated.

Sea (IMDG)

Not regulated.

Air (ICAO/IATA)

Not regulated.

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15. REGULATORY INFORMATION

Regulatory Lists Searched

Component

None present or none present in regulated quantities.

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.