



Material Safety Data Sheet

Revision Date: 03-Sep-2008

Revision Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SUPER SPEC HP CONCRETE PRETREATMENT & ETCH
Product Code KP8500

Manufacturer
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 201-573-9600
www.benjaminmoore.com

Emergency Telephone Number(s)
CANUTEC: 613-996-6666

2. COMPOSITION INFORMATION ON COMPONENTS

Hazardous Components

Chemical Name	CAS-No	Weight % (max)
Hydrogen chloride	7647-01-0	30 - 60%
Propylene glycol monomethyl ether	107-98-2	5 - 10%

3. HAZARDS IDENTIFICATION

Emergency Overview

WARNING

Corrosive. The product causes burns of eyes, skin and mucous membranes. Vapors may be irritating to eyes, nose, throat, and lungs. Harmful if swallowed.

Appearance clear, light colored liquid

Odor sharp pungent

Potential Health Effects

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Effects

Eyes	Corrosive to the eyes and may cause severe damage including blindness.
Skin	Contact causes severe skin irritation and possible burns.
Inhalation	Harmful by inhalation. Causes burns. May cause irritation of respiratory tract. Avoid breathing vapors or mists.
Ingestion	Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tracts.
Chronic Effects	Avoid repeated exposure

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions None known

HMIS **Health:** 3 **Flammability:** 0 **Reactivity:** 1 **PPE:** -

HMIS Legend

0 - Minimal Hazard

1 - Slight Hazard

2 - Moderate Hazard

3 - Serious Hazard

4 - Severe Hazard

* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, Benjamin Moore & Co., has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

4. FIRST AID MEASURES

General Advice	Take off contaminated clothing and shoes immediately. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.
Ingestion	Immediate medical attention is required. Call a physician or Poison Control Center immediately. Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Notes To Physician	Treat symptomatically
Protection Of First-Aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protective Equipment And Precautions For Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific Hazards Arising From The Chemical	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Closed containers may rupture if exposed to fire or extreme heat.. Cool heated containers with water to minimize the risk of rupture.
Sensitivity To Mechanical Impact	No
Sensitivity To Static Discharge	Yes
Flash Point Data	
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Flash Point Method	Not applicable
Flammability Limits In Air	
Upper Explosion Limit	Not available
Lower Explosion Limit	Not available

NFPA **Health:** 3 **Flammability:** 0 **Instability:** 0 **Special:** COR

NFPA Legend

0 - Not Hazardous
1 - Slightly
2 - Moderate
3 - High
4 - Severe

The ratings assigned by Benjamin Moore & Co. are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation..
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods For Clean-Up Dam up. Prevent product from entering drains. Neutralise with alkaline material. Take up mechanically and collect in suitable container for disposal.

Other Information None known

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Keep in a well-ventilated place. Avoid breathing vapors or mists.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Hazardous Components

Chemical Name	ACGIH	Alberta	British Columbia	Ontario	Quebec
Hydrogen chloride	2 ppm - Ceiling	Ceiling: 7.5 mg/m ³	Ceiling: 2 ppm	Ceiling: 2 ppm	Ceiling: 7.5 mg/m ³ , 5 ppm
Propylene glycol monomethyl ether	100 ppm - TWA 150 ppm - STEL	STEL: 553 mg/m ³ , 150 ppm TWA: 369 mg/m ³ , 100 ppm	STEL: 75 ppm TWA: 50 ppm	TWA: 365 mg/m ³ , 100 ppm STEL: 550 mg/m ³ , 150 ppm	STEL: 553 mg/m ³ , 150 ppm TWA: 369 mg/m ³ , 100 ppm

Legend

ACGIH - American Conference of Governmental Industrial Hygienists
 Alberta - Alberta Occupational Exposure Limits
 British Columbia - British Columbia Occupational Exposure Limits
 Ontario - Ontario Occupational Exposure Limits
 Quebec - Quebec Occupational Exposure Limits
 N/E - Not established

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles. Face-shield.
Skin Protection Protective gloves and impervious clothing..
Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment..

Hygiene Measures Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance clear, light colored liquid
Odor sharp pungent
Density (lbs/gal) 9.300
Specific Gravity 1.116

9. PHYSICAL AND CHEMICAL PROPERTIES

pH	< 1.5
Viscosity (centistokes)	Not available
Solubility	Soluble
Evaporation Rate	Not available
Vapor Pressure	25.0
Vapor Density	1
Wt. % Solids	29.52
Vol. % Solids	26.80
Wt. % Volatiles	70.48
Vol. % Volatiles	73.20
VOC (g/L)	Not applicable
Boiling Point (°F)	178
Boiling Point (°C)	81
Freezing Point (°F)	-49
Freezing Point (°C)	-45
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Flash Point Method	Not applicable
Upper Explosion Limit	Not available
Lower Explosion Limit	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions To Avoid	Avoid contact with moisture or water. When diluting this product always add this product to water, never the other way around. Adding water directly to this product will cause a violent reaction.
Incompatible Materials	metals. bases. active metals. alkali metals. oxidizing agents.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors.
Possibility Of Hazardous Reactions	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product

No information available

Component

Hydrogen chloride

LD50 Oral: 900 mg/kg (rabbit)

LC50 Inhalation (Vapor): 3124 ppm (Rat, 4 hr.)

Sensitization: No sensitizing effects known.

Propylene glycol monomethyl ether

LD50 Oral: 6,600 mg/kg (Rat)

LD50 Dermal: 13,000 mg/kg (Rabbit)

LC50 Inhalation (Vapor): 10,000 ppm (Rat)

Chronic Toxicity

Carcinogenicity

There are no known carcinogenic chemicals in this product above reportable levels.

Legend

ACGIH - American Conference of Governmental Industrial Hygienists

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

Product

Acute Toxicity to Fish

No information available

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

Component

Acute Toxicity to Fish

No information available

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options..

14. TRANSPORT INFORMATION

TDG

Proper Shipping Name	Hydrochloric Acid Solution
Hazard Class	8
UN-No	UN1789
Packing Group	II
Description	Hydrochloric Acid Solution,8,UN1789,PG II

ICAO / IATA Contact Benjamin Moore & Co. for further information.

IMDG / IMO Contact Benjamin Moore & Co. for further information.

15. REGULATORY INFORMATION

International Inventories

United States TSCA	Yes - All components are listed or exempt.
Canada DSL	Yes - All components are listed or exempt.

National Pollutant Release Inventory (NPRI)

NPRI Parts 1- 4

This product contains the following Parts 1-4 NPRI chemicals:

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight % (max)</u>
Hydrogen chloride	7647-01-0	30 - 60%

This product may contain trace amounts of (other) NPRI Parts 1-4 reportable chemicals. Contact Benjamin Moore & Co. for further information.

NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

This product may contain trace amounts of (other) NPRI Part 5 reportable chemicals. Contact Benjamin Moore & Co. for further information.

WHMIS Regulatory Status

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials

E Corrosive material



16. OTHER INFORMATION

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @ http://www.hc-sc.gc.ca/iyh-vsv/prod/paint-peinture_e.html.

Prepared By

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Revision Summary

No information available

Disclaimer

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P8500

End of MSDS