

# MATERIAL SAFETY DATA SHEET

**SYnH-1**  
**December 12, 2000**

## 1. Product and Company Information

**The Clay Minerals Society**  
**The Source Clays Repository**  
P.O. Box 4416, Boulder, Colorado 80306

**MSDS No: SYnH-1**

**Phone Number:** (303) 444-6405

Identity: OPTIGEL® SH  
Product Class: Sodium Magnesium Silicate  
Product Number: 36503000

CAS No: 53320-86-8  
DOT Nomenclature: CLAY N.O.I.

Source: SUD-CHEMIE INC., P.O.Box 32370, Louisville, KY 40232.

## 2. Hazardous Ingredients

None

## 3. Physical Data

Boiling Range: N/A  
Evaporation Range: N/A

Vapor Density: N/A  
% Volatile weight: <15%  
Wt/Gal: 20.83 lbs/U.S. Gal

## 4. Fire and Explosion Data

Flammability Classification: N/A  
Unusual Fire and Explosion Hazards: None  
Special Firefighting Procedures: None

## 5. Reactivity Data

Stability: Unstable       Stable  
Hazardous polymerization: May occur       Will not occur  
Hazardous decomposition products: None  
Conditions to avoid: avoid exposure of dust aerosol to spark or open flame  
Incompatibility (materials to avoid): None

## 6. Health Hazard Data

Effects of Overexposure: None

Medical conditions prone to aggravation by exposure: Continued exposure of dust to skin and/or mucous membrane may cause drying of exposed areas. Avoid chronic inhalation of dust.

Primary route(s) of entry: Dermal                      XX Inhalation                      Ingestion

Emergency and first aid procedures: No special procedures.

## 7. Safe Handling and Use Information

Respiratory protection: Dust mask required

Ventilation: Adequate dust collection systems should be used to avoid formation of dust aerosol.

Protective Gloves: Recommended

Eye Protection: Goggles or safety glasses

Other Protective equipment: None

Hygienic Practices: Avoid breathing dust

## 8. Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Spilled powder may be collected by shoveling or sweeping provided respirator and eye protection are worn. Care should be exercised to prevent high dust concentrations in the air.

Waste Disposal: solid waste disposal. Not suitable for incineration, chemical, or biological degradation.

## 9. Special Precautions

Precautions to be taken in handling and storing: Precautions for finely divided, flammable dust should be followed. Avoid high dust concentrations. Use adequate dust collection equipment. Insure all equipment is properly grounded to prevent static discharge. Keep dust away from open flame, heat, sparks, electrical equipment, Other Precautions: None.

**Disclaimer of Warranty:** the information presented herein is believed to be accurate. However, each purchaser should make its own test to determine the suitability of the product for its purposes. THE CLAY MINERALS SOCIETY MAKES NO WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCT and assume no responsibility for any risk or liability arising from use of the information or the product. Statements about the product should not be construed as recommendations to use the product in infringement of any patent.