



NFPA FIRE HAZARD SYMBOL
see NFPA 704 for detailed explanation

CHEMSORB®
UNIVERSAL SORBENT



MATERIAL SAFETY DATA SHEET

UPDATED: 9/01/04

I. PRODUCT IDENTIFICATION: CHEMSORB® UNIVERSAL SORBENT

MANUFACTURED BY: COMPLIANCE SAFETY, INC.
1429 S. SHIELDS
WAUKEGAN, IL 60085

TELEPHONE: 847-596-3010
EMERGENCY: 847-596-3010

II. PRODUCT INGREDIENTS / IDENTITY INFORMATION

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>PEL AND TLV</u>
EXPANDED AMORPHOUS SILICATE	93763-70-3	100%	15 mg/m3 TOTAL DUST - OSHA 5 mg/m3 RESPIRABLE DUST - OSHA 10 mg/m3 TOTAL DUST - ACGIH
THIS PRODUCT MAY CONTAIN CRYSTALLINE SILICA: QUARTZ (TYPICAL ANALYSIS)	14808-60-7	< 0.1% (trace)	0.1 mg/m3 RESPIRABLE QUARTZ OSHA & ACGIH TLV

III. PHYSICAL / CHEMICAL CHARACTERISTICS

APPEARANCE & ODOR	Dry White Powder or Aggregate / No Odor		
SPECIFIC GRAVITY (H2O=1):	2.35	BOILING POINT:	N/A
MELTING POINT:	1600-2000° F	VAPOR PRESSURE:	N/A
WATER SOLUBILITY (%):	Negligible	VAPOR DENSITY (AIR=1):	N/A
% VOLATILES BY VOLUME:	None	EVAPORATION RATE:	N/A

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	NONFLAMMABLE
FLAMMABLE LIMITS:	LEL - N/A % UEL - N/A %
EXTINGUISHING MEDIA	N/A
SPECIAL FIRE FIGHTING PROCEDURES	NONE
UNUSUAL FIRE & EXPLOSION HAZARD	NONE

V. REACTIVITY DATA

STABILITY:	STABLE
CONDITIONS TO AVOID:	NONE IN DESIGNED USE.
INCOMPATIBILITY:	HYDROFLUORIC ACID AND HYDRAZINE
HAZARDOUS POLYMERIZATION:	CANNOT OCCUR
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	MAY REACT WITH HYDROFLUORIC ACID AND HYDRAZINE TO FORM A TOXIC GAS. HEAT IS GENERATED (150-175°F) UPON ABSORPTION OF HYDRAZINE.

VI. HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:	INHALATION? - YES	SKIN? - NO	INGESTION? - NO
HEALTH HAZARDS:	ACUTE - Upper Respiratory Irritant, Excessive Inhalation of Any Dust May Overload Lungs CHRONIC: None Known		
SIGNS & SYMPTOMS OF EXPOSURE:	Upper Respiratory and Eye Irritation		
CARCINOGENICITY:	NTP? - NO	IARC Monographs? - NO	OSHA Regulations? - NO
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	Pre-Existing Upper Respiratory and Lung Diseases		
EMERGENCY & FIRST AID PROCEDURES:			
	EYE CONTACT -	RINSE THOROUGHLY WITH WATER	
	INHALATION -	REMOVE TO FRESH AIR	

VII. SPILL OR LEAK PROCEDURES

PROCEDURES FOR SPILL / LEAK: VACUUM CLEAN OR SWEEP UP USING A DUST SUPPRESSANT SUCH AS WATER. UNCONTAMINATED CHEMSORB ® MAY BE RE-USED

WASTE MANAGEMENT: NON-HAZARDOUS AS DEFINED BY RCRA (40 CFR part 261)
METHOD OF DISPOSAL - LANDFILL, INCINERATION, LAND BASED REMEDIATION
REPORTABLE QUANTITY - N/A

ALWAYS DISPOSE OF ANY MATERIAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS

VIII. SPECIAL PROTECTION INFORMATION

EYE PROTECTION: GOGGLES OR SAFETY GLASSES ARE RECOMMENDED

GLOVES: NOT NORMALLY REQUIRED

RESPIRATOR: MSHA/NIOSH APPROVED RESPIRATOR

VENTILATION: Local Exhaust Ventilation May Be Required to Keep Dust Concentrations Below PEL/TLV

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE

IX. SPECIAL PRECAUTIONS

STORAGE SEGREGATION HAZARD CLASSES: N/A

SPECIAL HANDLING / STORAGE: REPAIR BROKEN PILLOWS AND SOCKS IMMEDIATELY; AVOID CREATING DUST

SPECIAL WORKPLACE ENGINEERING CONTROLS: NOT NORMALLY REQUIRED

CHEMSORB ® IS A NATURALLY OCCURRING SUBSTANCE AND IS THEREFORE INCLUDED, BUT NOT INDIVIDUALLY LISTED, IN THE TSCA INVENTORY

HMIS RATINGS: 0 = MINIMAL HAZARD E = DUST RESPIRATOR

H	0
HEALTH	
F	0
FLAMMABILITY	
R	0
REACTIVITY	
PERSONAL PROTECTION	E
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