

MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD TITLE 29 CFR PART 1910.1200

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SECTION 1 CONTACT INFORMATION

SPECCO IND. INC. & AFFILIATE CONCRETE EARTH LLC: 13087 MAIN STREET LEMONT, ILLINOIS 60439

24 HOUR EMERGENCY TELEPHONE	(800) 535-5053	INFOTRAC
MANUFACTURER CONTACT:	(800) 441-6646	SPECCO IND. INC./ CONCRETE EARTH LLC

TRADE NAME:	ECOGUARD DENSIFIER AND HARDENER	NPCA HMIS RATINGS:
		Health: 1
PRODUCT CLASS:	Colloidal silicate concrete sealer and densifier	Flammability: 0
		Reactivity: 0
PRODUCT APPEARANCE & ODOR:	Clear with no noticeable odor	Personal Protection: E - gloves and goggles

SECTION 2: COMPOSITION – INFORMATION ON INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS#	%	ACGIH	ACGIH	OSHA	OSHA	VAPOR PRESSURE
			TLV (TWA)	TLV (STEL)	PEL (TWA)	PEL (STEL)	
Water	7732-18-5	85%	N.E.	N.E.	N.E.	N.E.	N.E.
Colloidal Silicate Base	Proprietary	15%	N.E.	N.E.	N.E.	N.E.	N.E.

SECTION 3: PHYSICAL DATA

The following data represents approximate or typical values. They do not constitute product specifications

VAPOR PRESSURE	0.88 mm Hg (@ 20 deg C)	BOILING POINT:	>212°F (100°C) at 760 mm Hg
EVAPORATION RATE:	1 (Water = 1)	% VOLATILE	Approximately 85.00% +/- 0.10
WEIGHT PER GALLON:	8.65 (lb/gal) +/-0.10	pH:	Approx. 12 (+/-0.10)
SOLUBILITY IN WATER:	Dilutable	V.O.C.:	0 g/L (NO VOC)
VISCOSITY	5-10 cps Brookfield	FREEZING POINT:	32°F (-0C)

SECTION 4: FIRE AND EXPLOSION DATA

FLAMMABILITY CLASS:	Not flammable (aqueous solution)
FLASH POINT:	Does not ignite
AUTOIGNITION TEMPERATURE:	N.A.
LOWER EXPLOSIVE LIMIT:	N.A.
SENSITIVITY TO STATIC DISCHARGE:	N.A.
EXTINGUISHING MEDIA:	Carbon dioxide, foam, dry chemical, water spray.
UNUSUAL FIRE AND EXPLOSION HAZARD	None
SPECIAL FIRE FIGHTING PROCEDURES:	Use air supplied rescue equipment for closed areas. Cool exposed containers with water.

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SECTION 5: HEALTH HAZARD DATA

EFFECTS OF EXPOSURE:	
EYE CONTACT :	Minimal if any vapor concerns (due to low vapor pressure), however, product is irritating to the eyes if contact occurs inadvertently by splashing.
SKIN CONTACT:	Prolonged or repeated contact may cause irritation or reddening of the skin. <u>Non corrosive</u> to the skin.
INHALATION:	Not a likely route of exposure due to physical properties. Product has a very low vapor pressure at room temperature and is not expected to present an inhalation hazard under ambient conditions
INGESTION:	This product may be harmful if ingested.
CARCINOGENICITY:	Non hazardous by WHMIS/OSHA criteria. Not listed by IARC, NTP, or ACGIH.

SECTION 6: EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT:	Flush eyes with large amounts of water until irritation subsides. Seek medical attention if necessary.
SKIN CONTACT:	Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists. Remove contaminated clothing and launder before re-use.
INHALATION:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.
INGESTION:	If swallowed, <u>do not</u> induce vomiting. If conscious, give 3-4 glasses of water to dilute and get immediate medical care. Never give anything by mouth to an unconscious person.

SECTION 7 REACTIVITY DATA

STABILITY:	Product is considered stable at regular temperatures.
CONDITIONS TO AVOID:	Avoid contact with acidic solutions.
INCOMPATIBILITY (MATERIALS TO AVOID):	Avoid contact with strong oxidizers, acids, and alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may yield , but not limited to oxides of carbon.
HAZARDOUS POLYMERIZATION:	Will not occur.

SECTION 8: ACCIDENTAL RELEASE & DISPOSAL MEASURES

LEAK AND SPILL PROCEDURE:	Collect for disposal. Clean up remaining materials from spill with suitable absorbent. Small spills may be absorbed with non-reactive absorbent (sand) and placed in a suitable, covered, labeled container. Prevent spills from entering sewers or waterways. Observe all personal protection equipment recommendations.
WASTE DISPOSAL:	Dispose of in accordance with local, state and federal regulations.

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SECTION 9: SAFE HANDLING AND USE INFORMATION:

RESPIRATORY PROTECTION:	Not normally required with this product.
VENTILATION/ ENGINEERING CONTROLS:	Not normally required
PROTECTIVE GLOVES:	Use impervious (rubber or nitrile) gloves
EYE PROTECTION:	Use chemical safety/splash goggles
OTHER PROTECTIVE EQUIPMENT:	Impervious clothing or boots, if needed.
HANDLING PROCEDURES:	The usual precaution for the handling of chemicals must be observed.
DEPT. OF LABOR STORAGE CATEGORY:	Not regulated
STORAGE CONDITONS:	Store under cool, dry conditions and away from temperature extremes. The minimum recommended storage temperature for this material is 1 C/34F. The maximum recommended storage temperature is 49C/120F. Keep from freezing. If frozen, product needs to be tested before using for emulsion stability.
WORKPLACE CLASSIFICATION:	This product as supplied is non-hazardous under the OSHA Hazard Communication Standard (20 CFR 1910.1200).

SECTION 10: TOXIOLOGICAL INFORMATION

CARCINOGENITY:	Non hazardous by WHMIS/OSHA criteria. Not listed by IARC, NTP, or ACGIH.
ACUTE SKIN IRRITATION/CORROSION TEST:	N.A.

SECTION 11: ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:	N.A.
FISH, ACUTE TOXICITY TEST, OECD 203	N.A.

SECTION 12: TRANSPORT AND SHIPPING INFORMATION

U.S. DEPT. OF TRANSPORTATION -ROAD OR RAIL:	Not regulated
U.S. DEPT. OF TRANSPORTATION - PROPER SHIPPING NAME:	Concrete sealer and hardener
CANADIAN T.D.G.:	Not regulated
IMO WATER TRANSPORTATION:	Not regulated
IATA AIR TRANSPORTATION:	Not regulated

SECTION 13: REGULATORY INFORMATION

OCCUPATIONAL HEALTH & SAFETY REGULATIONS:	
WHMIS CLASSIFICATION	N.A.
OSHA & WHMIS:	N.A.

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SECTION 13: REGULATORY INFORMATION (CONTINUED)

ENVIRONMENTAL REGULATORY LISTS:	
SARA SECTION 313:	(Toxic Chemical Release Reporting) 40 CFR 372- None of the ingredients are listed.
TSCA (TOXIC SUBSTANCES CONTROL ACT):	All the ingredients are listed on the Chemical Substance Inventory
CANADIAN DSL:	All ingredients are listed.
CALIFORNIA PROPOSITION 65:	The following components of this product are substances, or belong to classes of substances, known to the state of California to cause cancer and/or reproductive toxicity: Chemical Name: None

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Abbreviations: CFR=Code of Federal Regulations, OSHA = Occupational Safety and Health Administration. NIOSH = National Institute of Occupational Safety and Health. ACGIH = American Conference of Governmental Industrial Hygienists. TLV = Threshold Limit Value (8-hr. TWA). TWA= Time Weighted Average. STEL= Short Term Exposure Limit (15 min. TWA). N.A. = Not Applicable. PEL = Permissible Exposure Limit (8-hr. TWA).

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