



G.K. Chemical Specialties Co. Inc.  
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## SAFETY DATA SHEET (SDS)

<b>PRODUCT NAME:</b> ENVI-DURO ACRYLIC EMULSION SEALER	
<b>HEALTH HAZARD RATING:</b>	(1)- LOW HAZARD NFPA Rating
<b>FLAMMABILITY HAZARD RATING:</b>	(0)- MINIMAL HAZARD
<b>REACTIVITY HAZARD RATING:</b>	(0)- MINIMAL HAZARD
<b>PERSONAL PROTECTION:</b>	a ( Safety glasses)
<b>HAZARD ALERT SIGN:</b>	NONE REQUIRED Not a hazardous product according to Globally Harmonized System (GHS)

<b>SECTION 1 – IDENTIFICATION</b>	
<b>PRODUCT IDENTIFIER</b>	
<b>PRODUCT NAME</b>	ENVI-DURO ACRYLIC EMULSION SEALER
<b>MANUFACTURER'S NAME AND ADDRESS</b> <b>EMERGENCY PHONE NO.</b>	G.K. Chemical Specialties Co. Inc. 90 Barbados Blvd. Scarborough, Ontario M1J 1K9 (416) 261-7182 / 905 427-7605/ 416-526-4037
<b>SUPPLIER'S NAME AND ADDRESS</b> <b>EMERGENCY PHONE NO.</b>	
<b>CHEMICAL NAME</b>	N/A
<b>CHEMICAL FAMILY</b>	This product is a mixture
<b>TRADE NAME AND SYNONYMS</b>	N/A
<b>MATERIAL USE</b>	FLOOR FINISHING

G.K. Chemical Specialties Co. Inc. has compiled the information and recommendations contained in this Safety Data Sheet from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the SDS was prepared. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation.

G.K. Chemical Specialties Co. Inc. extends no warranty and assumes no responsibility as to the accuracy of the content or sufficiency of the information and expressly disclaims all liability for reliance thereon. This SDS provides guidelines for the safe handling of this product. It does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required. Individuals exposed to this product should read and understand this information and be provided pertinent training prior to working with this product.

G.K. Chemical Specialties Co. Inc. assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.

INGREDIENTS. This SDS, under section of Ingredients, contains all ingredients listed under INGREDIENT DISCLOSURE LIST P.C. 1987-2719, 20/1/88 CANADA GAZETTE PART II VOL. 122, No 2 of HAZARDOUS PRODUCT ACT.

Percentage range of concentration of ingredients is expressed as percentage by weight of the total weight of the product. Ingredient List does not necessarily list all ingredients in the formulation and does not necessarily list all ingredient range of concentration, other than ingredients under the Disclosure List.

T.L.V. (units) or Threshold Limit Values refer to the limiting concentrations recommended by the Ministry of Labour. These values were adopted by the American Conference of Governmental Industrial Hygienists (A.C.G.I.H.). The figures refer to time-weighted average concentrations as P.P.M. (V/V) or mg/m<sup>3</sup> for a normal working day or at any time for some materials.

"C.A.S REG. No." means the identification number assigned to a chemical substance by the Chemical Abstracts Service Division of the American Chemical Society.

"LC 50" means the concentration of a substance in air that when administered by means of inhalation over a specified length of time in an animal assay, is expected to cause the death of 50 per cent of a defined animal population.

"LD 50" means the single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause death of 50 per cent of a defined animal population.

FLASH POINT. The minimum temperature at which a substance gives off flammable vapors which in contact with spark or flame will ignite.

NIOSH- National institute for occupational safety and health

STEL- Short term exposure limit

TWA- Time-weighted average

PEL- Permissible exposure limit

ACGIH- American conference of governmental industrial hygienist

OSHA- Occupational safety and health act

<b>SECTION 2 – HAZARD IDENTIFICATION</b>	
	<p><b>Not a hazardous product according to Globally Harmonized System (GHS)</b>            May cause eye and skin irritation but no specific risk when handled in accordance with safety practice.            May be harmful if swallowed</p>

<b>SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS</b>				
<b>HAZARDOUS INGREDIENTS</b>	<b>APPROXIMATE CONCENTRATION %</b>	<b>C.A.S., N.A. OR U.N. NUMBERS</b>	<b>LD50 {SPECIFY SPECIES &amp; ROUTE}</b>	<b>LC 50 {SPECIFY SPECIES &amp; ROUTE}</b>
Acrylic copolymer	15 – 30	Proprietary	Oral(Rat): >5000 mg/kg	
Diethylene glycol monoethyl ether	<1	111-90-0	Oral(Rat): 1920 mg/kg	
Dipropylene glycol monomethyl ether	1 - 3	34590-94-8	Oral (Rat): 5230 mg/kg	
Tributoxyethyl phosphate	< 1	78-51-3	Oral (Rat): 3000 mg/kg	
2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	3 - 7	25265-77-4	Oral (Rat): 6,500mg/kg	
Water, inert & other non-hazardous	Balance			

<b>SECTION 4 – FIRST AID MEASURES</b>	
<b>SKIN CONTACT</b>	No known significant effects or critical hazards
<b>EYE CONTACT</b>	Immediately hold eyelids open and flush with water for at least 15 minutes. Seek medical attention.
<b>INHALATION</b>	No known significant effects or critical hazards
<b>INGESTION</b>	May be harmful if swallowed. Do not induce vomiting. Drink 1 or 2 glasses of water. Seek immediate medical attention. Never give anything by mouth to an unconscious or convulsing person. If vomiting occur spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.
<b>NOTES TO PHYSICIAN</b>	Treatment based on sound judgment of physician and individual reaction of patient.

<b>SECTION 5 – FIRE-FIGHTING MEASURES</b>	
<b>FLASH POINT ( °C)</b>	Not flammable
<b>FLASH POINT METHOD</b>	Not applicable
<b>AUTOIGNITION TEMPERATURE ( °C)</b>	Not applicable
<b>UPPER FLAMMABLE LIMIT ( % VOL.)</b>	Not applicable
<b>LOWER FLAMMABLE LIMIT ( % VOL. )</b>	Not applicable
<b>HAZARDOUS COMBUSTION PRODUCTS</b>	Carbon Dioxide ( CO <sub>2</sub> ), Carbon monoxide (CO).May yield acrylic monomers
<b>UNUSUAL FIRE/ EXPLOSION HAZARDS</b>	None known
<b>SENSITIVITY TO MECHANICAL IMPACT</b>	Not sensitive

<b>SENSITIVITY TO STATIC DISCHARGE</b>	Not sensitive
<b>EXTINGUISHING MEDIA</b>	Water spray, foam, dry powder or Carbon Dioxide. Use media appropriate for surrounding fire
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	Fire fighters should wear full protective clothing, including self-contained breathing equipment

<b>SECTION 6 – ACCIDENTAL RELEASE MEASURES</b>	
<b>LEAK AND SPILL PROCEDURE</b>	Stop leak. Move containers from spill area. Dilute with water and mop up.
<b>ENVIRONMENTAL PRECAUTIONARY</b>	Prevent entry into sewers or streams.
<b>PERSONAL PRECAUTIONARY MEASURES</b>	Wear protective clothing during cleanup

<b>SECTION 7 – HANDLING AND STORAGE</b>	
<b>HANDLING PROCETURES</b>	Avoid contact with eyes. Avoid ingestion. Use good industrial hygiene practices in handling this product. Keep container closed when not in use.
<b>STORAGE NEEDS</b>	Keep container tightly closed. Store in a cool area.

<b>SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>VENTILATION REQUIREMENTS</b>	General ventilation is recommended.
<b>PROTECTIVE EQUIPMENT</b>	Ensure that eyewash stations are proximal to the work-station location
<b>EYE/TYPE</b>	Safety glasses
<b>RESPIRATORY/TYPE</b>	Non required
<b>GLOVE/TYPE</b>	None required
<b>FOOTWEAR/TYPE</b>	No special footwear is required
<b>BODY/TYPE</b>	No special protective clothing is required

<b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>APPEARANCE – PHYSICAL STATE</b>	White milky emulsion
<b>ODOUR</b>	Slight ammonia/ acrylic
<b>ODOUR THRESHOLD (PPM)</b>	Not available
<b>PH</b>	8.20 ±0.50 in water
<b>MELTING POINT ( °C)</b>	Not applicable
<b>BOILING POINT ( °C )</b>	100°C
<b>FREEZING POINT ( °C )</b>	0°C
<b>EVAPORATION RATE</b>	As water
<b>FLAMMABILITY</b>	Not applicable
<b>FLASH POINT ( °C)</b>	Not applicable
<b>AUTO IGNITION TEMPERATURE</b>	Not applicable
<b>DECOMPOSITION TEMPERATURE</b>	Not available
<b>VAPOUR DENSITY</b>	No data available
<b>VAPOUR PRESSURE</b>	17.0 mmHg @ 25°C (77°F)
<b>SOLUBILITY</b>	Soluble in water
<b>VISCOSITY</b>	Thin liquid
<b>% VOLATILE BY VOLUME</b>	75.5 ±1

SPECIFIC GRAVITY	1.02 ± 0.02 gm / cm <sup>3</sup>
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SECTION 10 – STABILITY AND REACTIVITY	
REACTIVITY	The product is stable
CHEMICAL STABILITY	Stable
POSSIBILITY OF HAZARDOUS REACTIONS	Not applicable
CONDITIONS TO AVOID	No specific data
INCOMPATIBLE MATERIALS	Strong acids, strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon Dioxide (CO <sub>2</sub> ), Carbon Dioxide (CO), Acrylic monomers

SECTION 11 –TOXICOLOGICAL INFORMATION	
TOXICITY EFFECTS ON ANIMALS	<p><b>For Acrylic copolymer:</b> Acute oral toxicity LD50 ( Rat) &gt;5,000 mg/kg. Acute dermal toxicity: LD50 (Rabbit)&gt; 5,000 mg/kg.</p> <p><b>For diethylene glycol monoethyl ether (111-90-0):</b> Acute oral toxicity (Rat)= 1920 - 9050 mg/kg, Acute dermal (Rabbit) = &gt;8,400 mg/kg. Inhalation LC50 (Rat) &gt;5,240 mg/m<sup>3</sup>/ 4 h</p> <p><b>For Dipropylene glycol monomethyl ether (34590-94-8):</b> Acute oral toxicity LD50 Oral(Rat)=5,230. Acute dermal (Rabbit)= 9,500 mg/kg.</p> <p><b>For Tributoxyethyl phosphate (78-51-3):</b> Acute oral toxicity LD50 Oral (Rat) =3,000 mg/kg. Acute dermal LD50 (Rabbit)= &gt;5,000 mg/kg. Inhalation LC50 &gt;6.4 mg/L (Rat) 4h.</p> <p><b>For 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4):</b> Acute oral toxicity LD50 Oral (Rat)= 6,500mg/kg. Acute toxicity LD50 Dermal (Rabbit) = &gt; 15,200 mg/kg</p>
TOXIC EFFECTS ON HUMANS	May cause mild irritation of eyes
CHRONIC EFFECTS ON HUMANS	No known significant effects
CARCINOGENICITY	No evidence
TERATOGENICITY	No evidence
MUTAGENICITY	No evidence
REPRODUCTIVE EFFECTS	No evidence

SECTION 12 –ECOLOGICAL INFORMATION	
ECOTOXICITY DATA	<p>No known significant effects or critical hazards. No data found for Acrylic Copolymer</p> <p><b>For Diethylene glycol monoethyl ether (111-90-0):</b> Acute fish Toxicity, LC50, In most sensitive species tested is &gt;100 mg/ L (practically non-toxic). Fish acute &amp;Prolonged toxicity- LC50, bluegill (Leponis macrochirus), flow-through, 96 h /21,400 mg/L. Aquatic invertebrates: EC50 , water flea Daphnia magna, 48 h 3,940-4,670 mg/ L. Toxicity to Micro-organisms EC10: BACTERIA, 16 h=4,000 mg/L</p> <p><b>For Dipropylene glycol monomethyl ether (34590-94-8):</b> LC50 (Daphnia magna) = 1919 mg/L / 48 h. LC50 (fathead minnow)= &gt;10,000 mg/ L/ 96 h. EC50(algae)= &gt;969 mg / L/96h.</p> <p><b>For Tributoxyethyl phosphate (78-51-3)</b> toxicity to fish: LC50 (Pimephales promelas) = 10.4-12.0 mg/ L/96h/flow-through.LC50 (Daphnia magna)=75 ppm/48 h.</p> <p><b>For 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4 )</b> LC50 (Fathead Minnow)= 33mg/L/96h. Water Flea EC50= 147.8 mg/L/48 h.</p>

<b>BIODEGRADABILITY</b>	No data found for Acrylic copolymer and Tributoxyethyl phosphate. Diethylene glycol monoethyl ether and dipropylene glycol monomethyl ether are readily biodegradable. 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate >77% (28 days) readily biodegradable
<b>PRODUCTS OF DEGRADATION</b>	No data available

<b>SECTION 13 – DISPOSAL CONSIDERATIONS</b>	
<b>WASTE DISPOSAL</b>	Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations
<b>INFORMATION ON SAFE HANDLING FOR DISPOSAL INCLUDING ANY CONTAMINATED PACKAGING</b>	Suitable waste facility

<b>SECTION 14 – TRANSPORT INFORMATION</b>	
<b>UN NUMBER</b>	Not applicable
<b>UN PROPER SHIPPING NAME</b>	Not applicable
<b>TRANSPORT HAZARD CLASS</b>	Not regulated
<b>PACKAGING GROUP</b>	Not applicable
<b>ENVIRONMENTAL HAZARDS</b>	Nil
<b>TRANSPORT IN BULK, if applicable</b>	Not applicable
<b>SPECIAL PRECAUTIONS</b>	NIL

<b>SECTION 15 – REGULATORY INFORMATION</b>	
<b>SAFETY HEALTH &amp; ENVIRONMENTAL REGULATIONS SPECIFIC TO THE PRODUCT</b>	U.S. TSCA inventory Status: All components of this product are either on the Toxic Substances Control Act (TSCA) INVENTORY List or exempt. Canadian DSL Inventory Status: All components of this product are either on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL) or exempt.

<b>SECTION 16 – OTHER INFORMATION</b>	
<b>PREPARED BY:</b>	Gus Kaklamanos - Chemist
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<b>DATE OF THE LATEST REVISION OF SDS:</b>	October 2, 2017

**WHMIS CLASSIFICATION: CLASS D, 2B**