Epo-Seal WB-HS Part B

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	EPO-SEAL WB-HS PART B
IDENTIFICATION NUMBER:	ES013-2, ES013-5, ES013-2-75
SUPPLIER/MANUFACTURER:	VANBERG SPECIALIZED COATINGS 10705 COTTONWOOD ST LENEXA, KS 66215-2032
EMERGENCY PHONE #	1-800-255-3924
PREPARER:	VSC
PHONE:	913-599-5939
PREPARE DATE:	OCTOBER 16, 2015

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification: Skin corrosion/irritation category 2, Serious eye irritation category 1, Skin sensitization category 1, Specific target organ toxicity – single exposure category 3, Acute hazard to aquatic environment category 3

GHS Label Elements and Precautionary Statements:

Label Elements:

Hazard Statements:

Warning: causes skin irritation
Danger: Causes serious eye damage
Warning: May cause drowsiness or dizziness.
Warning: May cause an allergic skin reaction.
Harmful to aquatic life.

Precautionary statements:

P102 Keep out of reach of children.
P103 Read label before use
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.

Response:

P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.
P362 + P364 take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 If in eyes, immediately call a POISON CENTER or doctor/physician.

P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

P405 Store locked up.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed

Disposal:

P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws.

HMIS Hazard Classification

Health: 2 **Flammability:** 1 **Reactivity:** 0 **Personal Protective Equipment:** G

Potential Health Effects

Eyes: This material can cause eye irritation or redness.
Skin: Irritation to the skin can occur but dermal absorbtion toxicity is low.
Ingestion: Ingestion of material can cause nausea and other similar responses.
Inhalation: High concentrations of vapor can cause irritation to the respiratory tract, nausea, and dizziness.
Health hazards (acute and chronic):
Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic responses
Medical Conditions Generally Aggravated by Exposure: respiratory conditions or other allergic ailments.

Carcinogenicity

OSHA: NO **NTP:** NO **IARC:** NO

Additional Carcinogenicity Information:

No constituents of this product are regulated as carcinogens under OSHA, IARC, or NTP programs.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	WEIGHT%
Tetraethylenepentamine	112-57-2	NE	NE	NE	1-5
Polyamine Polymer	NJTSRN 05995500-(H401-I)	NE	NE	NE	30-60
Poly (oxy(methyl-1,2-ethanediyl), alpha-(2-aminomethyl)-omega-(2-amonmethylethoxy)	9046-10-0	NE	NE	NE	1-5
Water	7732-18-5	none	none	none	30-60
Propylene Glycol Monomethyl Ether	107-98-2	100 ppm	100 ppm	150 ppm	10-30

SECTION 3 NOTES:

*****No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.*****
PROPYLENE GLYCOL MONOMETHYL ETHER CAS # 107-98-2 (ACGIH) STEL= 150PPM
FOLLOW 311b (2) (A) 40 CFR 116, 117, GUIDELINES, FOLLOW TSCA 8(A) 40 CFR 712, 47 FR 26992 GUIDELINES
Note: Ingredients listed without percentages, the percentages are considered a trade secret.

SECTION 4 – FIRST AID MEASURES

Eyes: Immediately flush with large amounts of water for at least 15 minutes while lifting upper and lower lids. Get immediate medical assistance.
Skin: Flush skin with water for at least 15 minutes and remove all contaminated clothing immediately. Get medical attention if reddening or swelling occurs.
Ingestion: Do not induce vomiting. Dilute by giving water or milk to drink if victim is conscious. Get medical attention immediately.
Inhalation: Remove to fresh air if effects persist and administer oxygen if necessary.
Notes to Physicians or First Aid Providers:

SECTION 5 – FIRE FIGHTING MEASURES

Flammable Limits in Air (% by volume): **Upper:** not available **Lower:** not available
Flash Pt: 200+F (93+C)
Method Used: Seta Flash
Extinguishing Media:
Foam, alcohol foam, CO_2, dry chemical, water fog.
Special Fire Fighting Procedures:
Toxic fumes will be evolved when this material is involved in a fire. A self-contained breathing apparatus should be available for fire fighters. Cool fire exposed containers with water.
Unusual Fire and Explosion Hazards:
None known.

SECTION 6 – RELEASE MEASURES

Steps to Be Taken in Case Material Is Released or Spilled
Avoid contact with material. Wear the appropriate safety equipment. Stop spill at source, dyke area to prevent spreading. Pump liquid to salvage tank. Take up remainder with clay or other absorbant and place in disposal containers.

SECTION 7 – HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storage:
Avoid all skin contact. Avoid breathing vapors. Reseal partially used containers. Properly label all containers. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Observe conditions of good industrial hygiene and safe working practices.
Other Precautions:
Mixed materials contain the hazards of all the components, therefore, read the SDS of all components to become familiar with all hazards prior to using this product.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:
NIOSH approved respirator protection required in the absence of proper environmental controls.
Ventilation:
Avoid breathing vapors, ventilation must be sufficient to control vapors.
Protective gloves:
Impervious gloves – neoprene or rubber.
Eye protection:
Splash proof goggles or safety glasses with side shields
Other protective clothing or equipment:
Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material.
Work hygienic practices:
Observe good general hygienic practices.

See Section 3 for occupational exposure limit values.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: low viscosity liquid
Boiling Point or Range: 212F (100C)
Vapor Density (Air = 1): N/A
Specific Gravity (H2o = 1): 1.0
Evaporation Rate: N/A
Solubility in Water: emulsifiable

Odor Threshhold: N/A

pH: N/A
Melting point/freezing point: N/A
Vapor Pressure: N/A
Auto Ignition Temperature: N/A
Partition Coefficient: n-octanol/water: N/A
Decomposition Temperature: N/A

SECTION 10 – STABILITY AND REACTIVITY

Stability:
Stable
Conditions to Avoid (Stability):
Avoid contact with open flames and all sources of ignitions and sparks.
Incompatibility (Material to Avoid):
Avoid contact with strong oxidizing agents, mineral acids, and epoxy resins in uncontrolled amounts.
Hazardous Decomposition or By-Products:
CO, CO_2, NOX
Hazardous Polymerization:
Will not occur.

SECTION 11 – Toxicological Information

No data for the product itself.
Component data:
Component Polyamine Polymer: INGESTION LD50 > 2000 mg/kg (rat), Skin LD50 >2000 kg/mg (rat), may cause sensitization by skin contact. May cause eye and skin irritation.
Component CAS# 107-98-2: Ingestion LD50 rat 4016 mg/kg, Dermal LD50 rabbit >2000 mg/kg, Inhalation LC50 6 hr Vapor, rat >25.8 mg/l. May cause eye or skin irritation. May sffect Kidney or liver. Has been reported to be toxic to fetus in laboratory animals.

SECTION 12 – ECOLOGICAL INFORMATION

No data for the product itself.
Component data:
Component Polyamine Polymer: Aquatic Toxicity: EC50(24hr) >10 mg/l (species Daphnia magna); EC50(48 hr) 1.21 mg/l (species Daphnia magna. Product is not readily biodegradable.
Component CAS@ 107-98-2: Bioconcentration potential is low (BCF less than 100). Potential for mobility in soil is high (KOC between 0 and 50). Material is readily biodegradable and is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100mg/l in the most sensitive species tested. LC50 fathead minnow 96 hr 20800 mg/l, LC50 water flea 48 hr lethally 23300 mg/l, EbC50 green algae biomass growth inhibition 7 d >1000 mg/l. Toxicity to microorganisms IC50 activated sludge > 1000 mg/l

SECTION 13 – WASTE DISPOSAL

Waste Disposal Method
Dispose of material according to federal, state, and local regulations.

SECTION 14 – TRANPORT INFORMATION

DOT: Not regulated.
IMO/IMDG: Not regulated.

SECTION 15 – REGULATORY INFORMATION

No data for the product itself.
Component data:

Component Polyamine Polymer: WHMIS trade secret Registry number – 5491. Included on TSCA inventory. Included on the EINECS inventory
Component CAS# 107-98-2; on the PA right to know list. Product is on the TSCA list and DSL Canada
Component Tetraethylenepentamine: Is on the TSCA and Canada DSL lists

SECTION 16 – OTHER INFORMATION

N/A = Not Available
See Section 1 for date of preparation

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The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

END OF SDS