

**MATERIAL SAFETY DATA SHEET****SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: Vertapoxy™ PART A  
 PRODUCT CODES: 801042 A, 801043 A

MANUFACTURER: Garon Products Inc  
 ADDRESS: PO Box 1924  
 CITY, STATE, ZIP: Wall, NJ 07719

INFORMATION PHONE: 800-631-5380  
 EMERGENCY PHONE: Chemtrec 800-424-9300  
 FAX PHONE: 732-223-2002

DATE REVISED: 1/2/13

**SECTION 2: HAZARDS IDENTIFICATION****HMIS HAZARD CLASSIFICATION**

HEALTH: 2      FLAMMABILITY: 1      REACTIVITY: 0      PERSONAL PROTECTIVE EQUIPMENT: B

**POTENTIAL HEALTH EFFECTS****EYES:**

MAY CAUSE IRRITATION BUT NO CORNEAL INJURY IS LIKELY.

**SKIN:**

MAY CAUSE IRRITATION OR ALLERGIC SKIN RESPONSE.

**INGESTION:**

THIS MATERIAL HAS A PROBABLE LOW ACUTE ORAL TOXICITY.

**INHALATION:**

NO GUIDE FOR CONTROL KNOWN, HOWEVER, EXPOSURE TO HEATED VAPORS CAN CAUSE IRRITATION TO THE NOSE, THROAT OR MUCOUS MEMBRANES.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

EPOXY RESINS CAN CAUSE SENSITIZATION BY EXPOSURE THROUGH CONTACT OR HIGH CONCENTRATIONS OF VAPOR.

EYES: INJURY IS UNLIKELY BUT STAIN FOR EVIDENCE OF CORNEAL INJURY.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

RESPIRATORY INGREDIENTS OF THIS PRODUCT ARE REGULATED AS CARCINOGENS.

**CARCINOGENICITY**

OSHA: NO      NTP: yes      IARC: yes

**ADDITIONAL CARCINOGENICITY INFORMATION:**

Titanium Dioxide is listed by IARC as possibly carcinogenic to humans (group 2B).

Comonony CAS# 12174-11-7: The International Agency for Research on Cancer (IARC) has classified Attapulgitic clay as group 3, not classifiable as to its carcinogenicity to humans, However, the International Agency for Research on Cancer (IARC) has classified : crystalline silica (a component of Attapulgitic clay, as a Group 1 (known) human carcinogen. Crystalline silica is a NTP listed carcinogen.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

| <u>INGREDIENT</u>   | <u>CAS NO.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>OSHA STEL</u> | <u>WEIGHT %</u> |
|---|----------------|-----------------|------------------|------------------|-----------------|
| MODIFIED DIGLYCIDYL ETHER OF BISPHENOL A                  | 25068-38-6     | NONE            | NONE             | NONE             | 80-90           |
| Titanium Dioxide  | 13463-67-7     | 10mg/m3         | 10mg/m3          | 5mg/m3           |                 |
| HYDROCARBON RESIN   | NON-HAZARDOUS  | NONE            | NONE             | NONE             |                 |
| *Naphthalene  | 91-20-3        | 10ppm           | 10ppm            | NONE             | <0.05           |
| HYDROXY MODIFIED RESIN                                    | NON-HAZARDOUS  | NONE            | NONE             | NONE             |                 |
| Precipitated Silica                                       | 112926-00-8    | NONE            | 80mg/m3          | NONE             |                 |
| LIMESTONE   | 1317-65-3      | 15mg/m3         | 5MG/M3           | NONE             |                 |
| Attapulgitic clay   | 12174-11-7     | 50mg/m3         | 10mg/m3          | 20mg/m3          |                 |
| *crystalline silica (as a component of Attapulgitic clay) | 14808-60-7     | 10mg/m3         | .1mg/m3          | .1mg/m3          | <0.5%           |

**SECTION 3 NOTES:**

\*\*toxic chemical(s) subject to the reporting requirements of section 313 Title III and of 40 CFR 372 are present.\*\*\*

**SECTION 4: FIRST AID MEASURES****EYES:**

FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES AND CONSULT A PHYSICIAN.

**SKIN:**

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SKIN CONTACT WILL NORMALLY CAUSE NO MORE THAN IRRITATION BUT WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.

**INGESTION:**

LOW IN TOXICITY, INDUCE VOMITING ONLY IF LARGE AMOUNTS OF MATERIAL ARE INGESTED, AND OTHERWISE DO NOT INDUCE VOMITING. IN EITHER CASE IMMEDIATELY CONSULT A PHYSICIAN.

**INHALATION:**

REMOVE VICTIM TO FRESH AIR AND ADMINISTER OXYGEN IF NECESSARY.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

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### SECTION 5: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR,                   UPPER: not available  
(% by volume)                               LOWER: not available

FLASH POINT: 200+F

METHOD USED:

SETA FLASH

EXTINGUISHING MEDIA:

FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES:

DO NOT ENTER CONFINED FIRE AREA WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL ALL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NO UNUSUAL FIRE HAZARDS KNOWN.

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### SECTION 6: RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WEAR RESPIRATOR AND PROTECTIVE CLOTHING, SHUT OFF THE SOURCE AT THE LEAK. REMOVE EXCESS WITH VACUUM TRUCK AND TAKE UP THE REMAINDER WITH AN ABSORBENT SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

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### SECTION 7: HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE IN A COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS'S OF ALL THE COMPONENTS PRIOR TO USING MATERIAL. PROPERLY LABEL ALL CONTAINERS. OTHER PRECAUTIONS:

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED LEATHER ARTICLES CAN NOT BE CLEANED AND MUST BE DISCARDED IF CONTAMINATED WITH THIS PRODUCT. WASH ALL CONTAMINATED CLOTHING PRIOR TO THE REUSE THEREOF.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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RESPIRATORY PROTECTION:

USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. GENERAL EXHAUST IS USUALLY SUFFICIENT IN LIEU OF NIOSH RESPIRATOR.

VENTILATION:

GENERAL EXHAUST IS USUALLY SUFFICIENT TO CONTROL VAPORS AND EXPOSURE HAZARDS.

PROTECTIVE GLOVES:

IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

EYE PROTECTION:

SPLASH GOGGLES OR 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.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE AND ODOR: white/tan gel

BOILING POINT OR RANGE: 200+ F

VAPOR DENSITY (AIR = 1): Not available

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SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.4  
EVAPORATION RATE: not available  
SOLUBILITY IN WATER: NEGLIGIBLE

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## SECTION 10: STABILITY AND REACTIVITY

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### STABILITY:

STABLE

### CONDITIONS TO AVOID (STABILITY):

AVOID EXCESSIVE HEAT OR OPEN FLAMES

### INCOMPATIBILITY (MATERIAL TO AVOID):

CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS AND STRONG LEWIS ACIDS OR MINERAL ACIDS.

### HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

CO<sub>2</sub>, ALDEHYDES, ACIDS. REACTION WITH SOME CURING AGENTS CAN GENERATE LARGE AMOUNTS OF HEAT.

### HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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**Component CAS# 25068-38-6:** Moderate sensitizer, slight eye irritant, moderate skin irritant, Oral LD50 >5000 mg/kg (rat), Dermal LD50 >6000 mg/kg (rabbit)

**Component Titanium Dioxide:** Inhalation 4 h LC50 > 6.82 mg/l; Oral LD50 > 5000 mg/kg, rat; In February 2006, IARC listed titanium dioxide as possibly carcinogenic to humans Group 2B.

**Component CAS# 112926-00-8:** LD50 (rat >5000 mg/kg, LD50 dermal (rat) >2000 mg/kg

**Component Limestone:** LD50 Oral (rat) = 6450 mg/kg. This product contains greater than 0.1% crystalline silica which is listed as a group I carcinogen by IARC, a known carcinogen by NTP, OSHA and as A suspected human carcinogen by ACGIH

**Component CAS# 12174-11-7:** Carcinogenic effects – this component may contain crystalline silica dust can cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline Silica is also listed by the NTP as a known human carcinogen. Oral LD50 (rat) > 8g/mg

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## SECTION 12: ECOLOGICAL INFORMATION

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**Component CAS# 25068-38-6:** Biodegradability (Modified Sturm Method) 12%, Fish toxicity: Rainbow trout (96hr) LC50 1.5mg/l, Zebra Fish (96hr) LC50 2.4 mg/l. Invertebrate Toxicity: Daphnia Toxicity (24hr) EC 50 3.6 mg/l

**Component Titanium Dioxide:** Pimephales promelas (fathead minnow) < 1000 mg/l @ 96h LC50; Pseudokirchneriella subcapitata (green algae) 61 mg/l @ 72h EC50; Daphnia magna (water flea) > 1000 mg/l @ 48h EC50

**Component CAS# 112926-00-8:** Ecotoxicity: EC50 (fish) .10000 mg/l (daphnia >10000 mg/l

**Component Limestone:** inert material

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## SECTION 13: WASTE DISPOSAL

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### WASTE DISPOSAL METHOD:

DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAW.

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## SECTION 14: Transport Information

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DOT: Not Regulated

IMO/IMDG: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Polymer) , 9, PGIII,

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## SECTION 15: REGULATORY INFORMATION

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**Component CAS# 25068-38-6:** Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, WHMIS class D2B; Is on the New Jersey Right to Know list,; is on the PA Right to Know List;

**Component Titanium Dioxide:** Contains Proposition 65 Chemicals, is on the PA Hazardous substance list, is on the NJ right to know Regulated chemical List.

Titanium Dioxide is on inventory or in compliance with EINECS, TSCA, AICS, DSL, ENCS (JP), KECI (KR), PICCS (PH) and INV (CN).

**Component HYDROXY MODIFIED RESIN.:** Component is not hazardous as defined by CFR 1910.1200 and under the provisions of Title III Section 311/312 of the Superfund amendments and Reauthorization Act. Component is on the TSCA list..

**Component HYDROCARBON RESIN:** Component contains 0.01-0.06 wt% Naphthalene CAS# 91-20-3 with a CERCLA RQ of 100 pounds. Component is on the TSCA list and Canadian DSL list. Component does not contain any reportable chemicals above the deminimus level for section 313. Component is not hazardous as defined by CFR 1910.1200 or Title III section 312/313 of the superfund amendment. Naphthalene is known to the state of California to cause cancer. Naphthalene is on the Pennsylvania, Massachusetts and New Jersey right to know lists.

**Component CAS# 112926-00-8:** Is not classified as dangerous. National Chemical Inventory listings include – AICS, DSL, IECSC, EINECS, ENCS, KECI, NZLOC, PICCS, TSCA,

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**Component Limestone:** TSCA listed. Canada Exempt, naturally occurring Substance. EINECS, ECL, ENCS, CIES, PICCS listed. This product contains trace amounts of chemicals known to the state of California to cause cancer or reproductive effects.

**Component CAS# 12174-11-7:** may contain Crystalline Silica (Silicon Dioxide) which is on the TSCA list. NTP list as a known human carcinogen, California proposition 65 list as a known carcinogen, Massachusetts Toxic Use Reduction Act list as toxic, Pennsylvania Worker and community right to know Act list as a hazardous substance. Component is on the DSL, EINECS, AICS, ENCS, ECL, PICCS and CLECS lists.

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 PRODUCT CODES: 801042 B, 801043 B

MANUFACTURER: Garon Products Inc  
 ADDRESS: PO Box 1924  
 CITY, STATE, ZIP: Wall, NJ 07719

INFORMATION PHONE: 800-631-5380  
 EMERGENCY PHONE: Chemtrec 800-424-9300  
 FAX PHONE: 732-223-2002

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## SECTION 2: HAZARDS IDENTIFICATION

### HMIS HAZARD CLASSIFICATION

HEALTH: 2      FLAMMABILITY: 1      REACTIVITY: 0      PERSONAL PROTECTIVE EQUIPMENT: G

### POTENTIAL HEALTH EFFECTS

#### EYES:

WILL CAUSE BURNS TO THE EYES. HIGH VAPOR CONCENTRATIONS CAN CAUSE SEVERE IRRITATION TO THE EYES.

#### SKIN:

WILL CAUSE BURNS TO THE SKIN.

#### INGESTION:

LIQUID CAN CAUSE SEVERE DAMAGE TO MUCOUS MEMBRANES IF SWALLOWED.

#### 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: yes      IARC: yes

#### ADDITIONAL CARCINOGENICITY INFORMATION:

Some colors may contain carbon black - Explanation Of Carcinogenicity for carbon: IARC MONOGRAPHS ON EVALUATION OF CARCINOGENIC RISK OF CHEMICALS TO MAN, VOL 65, PG 149, 1996: GROUP 2B

Component CAS# 12174-11-7: The International Agency for Research on Cancer (IARC) has classified Attapulgitic clay as group 3, not classifiable as to its carcinogenicity to humans, However, the International Agency for Research on Cancer (IARC) has classified : crystalline silica (a component of Attapulgitic clay, as a Group 1 (known) human carcinogen. Crystalline silica is a NTP listed carcinogen.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT  | CAS NO.       | OSHA PEL | ACGIH TLV       | OSHA STEL | WEIGHT % |
|---|---------------|----------|-----------------|-----------|----------|
| TETRAETHYLENE PENTAMINE                                   | 112-57-2      | NONE     | NONE            | NONE      |          |
| TOFA, REACTION PRODUCTS WITH TEPA                         | 68953-36-6    | NONE     | NONE            | NONE      |          |
| DIETHYLENETRIAMINE  | 111-40-0      | 1ppm     | 1ppm            | NONE      |          |
| *BISPHENOL A  | 80-05-7       | NONE     | NONE            | NONE      | 2%       |
| HYDROCARBON RESIN   | NON-HAZARDOUS | NONE     | NONE            | NONE      |          |
| *Naphthalene  | 91-20-3       | 10ppm    | 10ppm           | NONE      | <0.05    |
| HYDROXY MODIFIED RESIN                                    | NON-HAZARDOUS | NONE     | NONE            | NONE      |          |
| Precipitated Silica                                       | 112926-00-8   | NONE     | 80mg/m3         | NONE      |          |
| *CARBON   | 1333-86-4     | 3.5PPM   | 3.4PPM          | NONE      | <1.0     |
| Attapulgitic clay   | 12174-11-7    | 50mg/m3  | 10mg/m3 20mg/m3 |           |          |
| *crystalline silica (as a component of Attapulgitic clay) | 14808-60-7    | 10mg/m3  | 1mg/m3 .1mg/m3  | <0.5%     |          |

\*INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.

## SECTION 4: FIRST AID MEASURES

## MATERIAL SAFETY DATA SHEET

**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.

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**SECTION 5: FIRE-FIGHTING MEASURES**

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FLAMMABLE LIMITS IN AIR,                   UPPER: not available  
(% by volume)                               LOWER: not available

FLASH POINT: 200+F

METHOD USED:

SETA FLASH

EXTINGUISHING MEDIA:

FOAM, ALCOHOL FOAM, CO2, 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 FIGHTING. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE KNOWN.

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**SECTION 6: RELEASE MEASURES**

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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 ABSORBENT AND PLACE IN DISPOSAL CONTAINERS.

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**SECTION 7: HANDLING AND STORAGE**

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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 MSDS OF ALL COMPONENTS TO BECOME FAMILIAR WITH ALL HAZARDS PRIOR TO USING THIS PRODUCT.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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RESPIRATORY PROTECTION:

NIOSH APPROVED RESPIRATOR PROTECTION REQUIRED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS. FOR EMERGENCIES A SELF-CONTAINED BREATHING APPARATUS OR A FULL FACE RESPIRATOR IS RECOMMENDED.

VENTILATION:

AVOID BREATHING VAPORS. VENTILATION MUST BE SUFFICIENT TO CONTROL VAPORS.

PROTECTIVE GLOVES:

IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

EYE PROTECTION:

SPLASH GOGGLES OR 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.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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APPEARANCE AND ODOR: gray/black gel with amine odor.

BOILING POINT OR RANGE: 155 TO 401 DEG F

VAPOR DENSITY (AIR = 1): N/A

SPECIFIC GRAVITY (H2O = 1): 1.0

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EVAPORATION RATE: N/A  
SOLUBILITY IN WATER: NEGLIGIBLE

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## SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:**

**STABLE**

**CONDITIONS TO AVOID (STABILITY):**

**AVOID EXCESSIVE HEAT OR OPEN FLAMES.**

**INCOMPATIBILITY (MATERIAL TO AVOID):**

**CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS AND STRONG LEWIS ACIDS OR MINERAL ACIDS.**

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**

**CO<sub>2</sub>, ALDEHYDES, ACIDS. REACTION WITH SOME CURING AGENTS CAN GENERATE LARGE AMOUNTS OF HEAT.**

**HAZARDOUS POLYMERIZATION:**

**WILL NOT OCCUR**

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## SECTION 11: TOXICOLOGICAL INFORMATION

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**Component CAS# 112-57-2:** Ingestion LD50 > 1,230 mg/kg (rat)

**Component CAS# 68953-36-6:** Ingestion LD50 (rat) >2,000 mg/kg (estimated)

**Component CAS# 68953-36-6 and CAS# 112-57-2:** Skin LD50 (rabbit) 8,550 mg/kg. May cause eye irritation, skin irritation and may cause sensitization by contact

**Component CAS# 140-31-8:** Draize test, rabbit, eye: 20 mg/24H Moderate; Draize test, rabbit, skin: 5 mg/24H Severe;

Oral, rat: LD50 = 2140 uL/kg; Skin, rabbit: LD50 = 880 uL/kg; Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65. May cause Sensitization by skin contact.

**Component Nonyl Phenol:** Median Lethal Dose Oral: LD50 0.58g/kg (rat) moderately toxic. Dermal LD50 2.14g/kg (rabbit) slightly toxic.

Skin Draize Test, rabbit: 500 mg/m<sup>3</sup> 24hr – corrosive. Eyes Draize test rabbit, 57.00/110 – extremely irritating. Component is a possible risk of impaired fertility.

**Component CAS# 111-40-0:** inhalation: LC50 (4hr) <0.3 mg/l (rat); Skin: LD50 >5000 mg/kg( rabbit) Ingestion: LD50 2960 mg/kg (rat).

Severe Eye irritation, Moderate skin irritation, May cause sensitization by skin contact or inhalation.

**Component CAS# 80-05-7:** Ingestion LD50 Oral (rat) = 3250 mg/kg. Irritation Data Skin (rabbit) 500 mg/24 hr (mild irritation effects. Irritation data eyes (rabbit) 0.25mg/24 hr (severe irritation effect). Skin contact or inhalation may cause sensitization. Component may impair fertility based on toxicology of similar products.

**Component CAS# 90-72-2:** Oral LD50 (rat) 1200 mg/kg; Dermal LD50 (rabbit) 1280 mg/kg; Inhalation LC50 (rat) > 0.5 mg/liter/1 hour;

Severe irritant to eyes of a rabbit. Severe irritant to the skin of a rabbit. Corrosive to the skin of a rabbit.

**Component CAS# 112926-00-8:** LD50 (rat >5000 mg/kg, LD50 dermal (rat) >2000 mg/kg

**Component Limestone:** LD50 Oral (rat) = 6450 mg/kg. This product contains greater than 0.1% crystalline silica which is listed as a group I carcinogen by IARC, a known carcinogen by NTP, OSHA and as A2 suspected human carcinogen by ACGIH

**Component Carbon:** IARC lists carbon as a possible human carcinogen Category 2B. LD50 – Intravenous, mouse = 440 mg/kg

**Component CAS# 12174-11-7:** Carcinogenic effects – this component may contain crystalline silica dust can cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline Silica is also listed by the NTP as a known human carcinogen. Oral LD50 (rat) > 8g/mg

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## SECTION 12: ECOLOGICAL INFORMATION

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**Component Nonyl Phenol:** Ecotoxicity: Daphnia EC50: 0.14-0.44 mg/l, 48 hr. Component is not readily biodegradable, log Pow: 3-4. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.. Aquatic Toxicity LC50 96 hr, toxicity rating is <0.10 ppm – extremely toxic

**Component CAS# 80-05-7:** Acute Ecotoxicity tests LC50 (fathead minnow) 96 hr = 4.6 mg/l. LC50 (daphnia magna) 48 hr = 3.9 mg/l. LC50 (algae) 96 hr = 2.73 mg/l.

**Component CAS# 112926-00-8:** Ecotoxicity: EC50 (fish) .10000 mg/l (daphnia >10000 mg/l

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## SECTION 13: WASTE DISPOSAL

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**WASTE DISPOSAL METHOD:**

**DISPOSE OF MATERIAL AS A HAZARDOUS WASTE ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.**

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## SECTION 14: Transport Information

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**DOT:** UN1760, CORROSIVE LIQUID N.O.S. (CONTAINS TETRAETHYLENE PENTAMINE, DIETHYLENETRIAMINE), 8, PG III

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**IMO/IMDG :** UN1760, CORROSIVE LIQUID N.O.S. (CONTAINS TETRAETHYLENE PENTAMINE, DIETHYLENETRIAMINE), 8, PG III



**MATERIAL SAFETY DATA SHEET****SECTION 15: REGULATORY INFORMATION**

**Component CAS# 68953-36-6:** E20/22 Harmful by inhalation and if swallowed. On TSCA list, on DSL Canada, on EINECS, AICS, ENCS, ECL, SEPA, PICCS.

**Component CAS# 112-57-2:** OSHA hazard class – Irritant. Regulatory List: On TSCA, on EINECS, DSL, AICS, ENCS, ECL, SEPA, PICCS.

**Component CAS# 140-31-8:** Component is listed on the TSCA inventory. Component can be found on the following state right to know lists: New Jersey, Pennsylvania, Massachusetts. Component contains no California Prop 65 Significant Risk Level: and none of the chemicals in this product are listed. Component is list on the Canadian DSL list, EINECS, AICS, ENCS, ECL, SEPA, PICCS lists.

**Component Nonyl Phenol:** This component is listed on TSCA, EINECS, ACIS, MITI and Canada DSL lists.

**Component CAS# 111-40-0:** on TSCS List, OSHA hazard class – Irritant. Regulatory List: On TSCA, on EINECS, DSL, AICS, ENCS, ECL, SEPA, PICCS.

**Component CAS# 80-05-7:** This component is subject to SARA section 313 reporting requirements. Component is on TSCA EINECS, AICS, ENCS, ECL, SEPA, PICCS and Canada DSL lists.

**Component CAS# 90-72-2** EEC symbol – Harmful, harmful if swallowed (R22) Irritating to eyes and skin (R36/38). Component is on the Canada DSL and TSCA lists

**Component HYDROCARBON RESIN:** Component contains 0.01-0.06 wt% Naphthalene CAS# 91-20-3 with a CERCLA RQ of 100 pounds. Component is on the TSCA list and Canadian DSL list. Component does not contain any reportable chemicals above the deminimus level for section 313. Component is not hazardous as defined by CFR 1910.1200 or Title III section 312/313 of the superfund amendment. Naphthalene is known to the state of California to cause cancer. Naphthalene is on the Pennsylvania, Massachusetts and New Jersey right to know lists.

**Component HYDROXY MODIFIED RESIN.:** Component is not hazardous as defined by CFR 1910.1200 and under the provisions of Title III Section 311/312 of the Superfund amendments and Reauthorization Act. Component is on the TSCA list..

**Component CAS# 112926-00-8:** Is not classified as dangerous. National Chemical Inventory listings include – AICS, DSL, IECSC, EINECS, ENCS, KECI, NZLOC, PICCS, TSCA,

**Component Carbon:** Contains Proposition 65 Chemicals .Carbon: is listed on TSCA and DSL Canada

**Component CAS# 12174-11-7:** may contain Crystalline Silica (Silicon Dioxide) which is on the TSCA list. NTP list as a known human carcinogen, California proposition 65 list as a known carcinogen, Massachusetts Toxic Use Reduction Act list as toxic, Pennsylvania Worker and community right to know Act list as a hazardous substance. Component is on the DSL, EINECS, AICS, ENCS, ECL, PICCS and CLECS lists

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