

PRODUCT NAME: PRIMER 302 PT. A LOW VOC 5 GAL

PRODUCT CODE: PR-302-LV-A-05

~~~~ SECTION 1 ~~~~ MANUFACTURER IDENTIFICATION ~~~~

Manufacturer's Name : Quest Construction Products  
 Address : 1465 Pipefitter Street  
           : N. Chalreston, SC 29405  
           : INITIAL(FIRST CALL)CHEMTREC(800)424-9300  
 INFORMATION PHONE : (480)754-8900  
 TOLL FREE : BACKUP(800)541-4383  
 DATE REVISED : May 2012

~~~~ SECTION 2 ~~~~ HAZARDOUS INGREDIENTS/SARA III INFORMATION ~~~~

| Reportable Components | CAS Number | MM HG @ Temp | Weight % |
|-------------------------------|------------|---------------|----------|
| Bisphenol-A-(epichlorohydrin) | 25068-38-6 | 0.03 171F/77C | 50-61 |

No exposure guidelines have been established for this chemical.

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 Neopentyl glycol diglycidyl ether 17557-23-2 <1.0 NO DATA 20-26
 No occupational exposure limits have been established for this chemical.

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 Benzene, 1-Chloro-4-(trifluoromethyl)- 98-56-6 5.3 20°C 5-8
 p-Chlorobenzotrifluoride cas# 98-56-6, OSHA 2.5, ACGIH 2.5

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 Alkoxysilane Mixture No Data No Data 1-2
 Glycidoxypropyl Trimethoxysilan, CAS#2530-83-8 (>60%)
 Limits:OSHA PEL: TWA 200ppm, ACGIH TLV-skin: TWA 200ppm, STEL:250ppm
 Manufacturer of raw material guideline: TWA 5 ppm, STEL 10 ppm.
 Note: Methyl alcohol forms on contact with water or humid air.

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

Indicates carcinogenic chemical.

NOTE: If tinted may contain Carbon Black CAS#1333-86-4 AND/OR Crystalline Silica CAS#14808-60-7. If tinted DARK GRAY or BLACK consider these levels to be reportable.

This MSDS may be used for other container sizes of this product. When parts A & B are combined, the hazard warnings for both components are present.

~~~~ SECTION 3 ~~~~ HAZARDS IDENTIFICATION ~~~~

Potential Health Effects

Eyes:

May cause slight/moderate irritation to the eye

Skin:

Skin absorption is believed to generally be too slow to produce signs of acute systemic poisoning. Instead skin contact often results in a characteristic dermatitis attributed to removal of the protective fat of the skin.

May cause allergic reactions. Sensitization may develop after repeated and/or prolonged contact with human skin.

Ingestion:

While this material has a moderate degree of toxicity, ingestion of large quantities may cause irritation of the digestive tract.

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**Inhalation:**

May cause irritation to respiratory tract.

~~~~ SECTION 4 ~~~~~ FIRST AID MEASURES ~~~~~

Eyes:

Immediately flush with copious amounts of water for at least 15 minutes. If redness, itching, or burning sensations persist consult a physician or ophthalmologist immediately.

Skin:

Remove contaminated clothing and shoes. Under a safety shower, flush skin with large amounts of running water for at least 15 min. Do not attempt to neutralize with chemical agents. Consult a physician immediately. Discard or decontaminate clothing and shoes before reuse.

Ingestion:

If person is conscious give two glasses of water (16 oz) but do not induce vomiting. If vomiting occurs spontaneously lower head to avoid aspiration into lungs, give fluids again. Never give anything by mouth to an unconscious or convulsing person. Consult a physician immediately.

Inhalation:

Remove from source of exposure and into fresh air. If symptoms persist consult a physician immediately. If not breathing, give artificial respiration and call emergency medical services immediately.

Note to Physician:

No specific antidote. Supportive care, treatment based on judgment of the physician in response to reactions of the patient.

~~~~ SECTION 5 ~~~~~ FIRE FIGHTING MEASURES ~~~~~

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**Flammable Properties**

Flash Point: 42.8C

Lower Flammable Limits: .9

Upper Flammable Limit: 10.5

Auto Ignition Temperature: N/A

**Extinguishing Media:**

Foam, CO2, dry chemical, water fog or spray, as appropriate for surrounding fire.

**Special Fire Fighting Procedures:**

Do not enter any enclosed or confined fire space without full protective equipment, including self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) to protect against the hazardous effects of combustion products and oxygen deficiency.

~~~~ SECTION 6 ~~~~~ ACCIDENTAL RELEASE MEASURES ~~~~~

Small Spill:

Contain spills immediately with inert materials (eg. sand, earth). If material is spilled in a confined area ventilate the area well. Keep spectators away. Floor may be slippery; use care to avoid falling. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. Caution: keep spills

and cleaning runoff out of municipal sewers and open bodies of water.

Large Spill:

Wear skin, eye & respiratory protection during clean-up. Evacuate area of all non-essential personnel. Ventilate spill area. Dike, and contain and/or absorb with inert material (sand, earth or other suitable material) to prevent entry into storm drains, sewers and other unauthorized treatment/drainage systems and natural waterways. Scoop up and place in approved containers for proper disposal. Cover with lid. If spill occurs near air inlets or inside, turn off heating or air-conditioning equipment to prevent contaminating building.

~~~~ SECTION 7 ~~~~~ HANDLING AND STORAGE ~~~~~

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**Handling & Storage:**

Keep from freezing. Keep container cool and dry. Use and store this product with adequate ventilation. Keep product containers tightly closed when not in use. Avoid subjecting this product to extreme temperature variations.

**Other Precautions:**

Containers, even those that have been emptied, will retain product residue (liquid and/or vapor) and can be dangerous. Always obey hazard warnings and handle empty containers as if they were full. Do not pressurize, puncture, cut, weld, braze, solder, drill, grind, or otherwise expose such containers to heat, flame, sparks, static electrical charges, electricity, or other sources of ignition. They may explode and/or emit toxic vapors causing injury or death. Keep container tightly closed when not in use. Empty containers, especially drums, should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of. Concentrated vapors of this product are heavier than air and will collect in low areas such as pits and storage tanks and other confined spaces. Vapors could migrate to sources of ignition. Closed containers may explode due to pressure build-up if exposed to extreme heat. Do not get in eyes, on skin or on clothing. Avoid prolonged or repeated breathing of vapor or spray mist. Use only in a well ventilated area. Keep out of the reach of children.

~~~~ SECTION 8 ~~~~~ EXPOSURE CONTROLS/PERSONAL PROTECTION ~~~~~

Engineering Controls:

In outside spray, mixing and rolling applications situate workers upwind of operation & provide airflow in a downwind direction so as to carry fumes and residual spray away from workers. Local exhaust ventilation recommended if generating vapor, dust or mist. Turn off heating and/or air conditioning equipment to prevent contaminating building. If exhaust ventilation is not adequate, use MSHA or NIOSH approved respirator. Refer to OSHA standard 29 CFR 1910.94 for guidelines.

Respiratory Protection:

Wear a NIOSH approved respirator appropriate for the vapor or mist concentration at the point of use. Appropriate respirators may be a full-face piece or a half mask air-purifying cartridge respirator equipped for organic vapors/mists, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air

respirator. Refer to OSHA standard 29 CFR 1910.134 for additional information.

Skin Protection:

Chemical resistant gloves determined to be impervious under the conditions of use.

Eye Protection:

Eye Protection: Safety glasses with side shields recommended.

~~~~ SECTION 9 ~~~~~ PHYSICAL AND CHEMICAL PROPERTIES ~~~~~

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Boiling Range: 139C - 300F/148.8C

Melting Point: N/A

Specific Gravity(H<sub>2</sub>O=1): 1.1235

Vapor Density(Air=1): NO DATA

Vapor Pressure: <1.0 mmHg @ 77C/171F

Evaporation Rate(N-Butyl Acetate=1) : Unknown

Coating V.O.C.: 0.23 lb/gl                      Coating V.O.C.: 28 g/l

Material V.O.C.: 0.22 lb/gl                      Material V.O.C.: 26 g/l

Solubility in Water: NEGLIGIBLE

Appearance: Clear viscous liquid

Odor: MILD ODOR

pH: N/A

~~~~ SECTION 10 ~~~~~ STABILITY & REACTIVITY DATA ~~~~~

Stability:

Stable

Conditions To Avoid:

Extremely hot or cold temperatures

Avoid heat, open flames, welding arcs or other ignition sources which induce thermal decomposition and/or combustion.

Incompatible Materials:

Avoid contact with strong acids and strong oxidizing materials.

Hazardous Decomposition Products

Thermal decomposition may yield carbon monoxide and carbon dioxide. Unidentified organic compounds in fumes and smoke may be formed during combustion.

Hazardous Polymerization:

Not expected to occur

~~~~ SECTION 11 ~~~~~ TOXICOLOGICAL INFORMATION ~~~~~

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\*Data is for individual components of preparation.

Materials having a known chronic/acute effects on eyes:

NO DATA

Materials having a known dermal toxicity.

Neopentyl Glycol Diglycidyl Ether CAS# 17557-23-2

LD50: >2150mg/kg (rat)

Bisphenol-A-(epichlorhydrin);epoxy resin CAS# 25068-38-6

LD50: >2000mg/kg May cause skin sensitization

Materials having a known oral toxicity.

Bisphenol-A-(epichlorhydrin);epoxy resin CAS# 25068-38-6

LD50: >2000mg/kg

Materials having a known Inhalation hazard:

NO DATA

Identified Acute/ Short-term Effects:

Headache, nausea, abdominal pain and irritation of the nose, throat and lungs. Skin and eye irritation.

Identified Carcinogens/Longterm Effects:

Neopentyl Glycol Diglycidyl Ether CAS# 17557-23-2

This product contains trace residual quantities of epichlorohydrin (ECH) CAS# 106-89-8. It is very unlikely that normal work practices with this product could result in measurable ECH concentration in this workplace atmosphere. Nevertheless, you should be aware that ECH has been reported to produce cancer in laboratory animals and to produce mutagenic changes in bacteria and cultured human cells. It has been classified by the International Agency for Research on Cancer (IARC) as a probable human carcinogen (IARC Group 2A) based on the following conclusions: Human evidence- inadequate; Animal evidence- sufficient. ECH has been classified as an anticipated human carcinogen by the National Toxicology Program (NTP).

Bisphenol-A-(epichlorhydrin);epoxy resin CAS# 25068-38-6

Recent 2-year bioassays in rats and mice exposed by the dermal route to the diglycidyl ether of bisphenol A (BADGE) yielded no evidence of carcinogenicity to the skin or any other organs. This study clarifies prior equivocal results from a 2-year mouse skin painting study, which were suggestive, but not conclusive, for weak carcinogenic activity.

Identified Teratogens:

NO DATA

Identified Reproductive toxins :

NO DATA.

Identified Mutagens:

Neopentyl Glycol Diglycidyl Ether CAS# 17557-23-2 was positive in bacterial genetic toxicity assays. Mixed results were seen in mammalian toxicity assays.

Bisphenol-A-(epichlorhydrin);epoxy resin CAS# 25068-38-6

Resins of this type, liquid resins based on diglycidyl ether of bisphenol A, have proved to be inactive when tested by in vivo mutagenicity assays. These resins have shown activity in in vitro microbial mutagenicity screening and have produced chromosomal aberrations in cultured rat liver cells. The significance of these tests to humans is unknown.

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~~~~ SECTION 12 ~~~~ ECOLOGICAL INFORMATION ~~~~

Ecotoxicological effects on plants and animals:

NO DATA

Chemical Fate :

Product spills on porous surfaces can contaminate groundwater.

~~~~ SECTION 13 ~~~~ DISPOSAL CONSIDERATIONS ~~~~

Instructions:

Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material.

Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Empty containers will retain product residue and vapors and are subject to proper waste disposal, as above.

~~~~ SECTION 14 ~~~~ TRANSPORT INFORMATION ~~~~

Shipping Information:
DOT INFORMATION - 49 CFR 172.101
DOT DESCRIPTION: NOT REGULATED

~~~~ SECTION 15 ~~~~ REGULATORY INFORMATION ~~~~

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(Not meant to be all inclusive-selected regulations represented)  
US Regulations:  
Status Of Substances Lists:  
The Concentrations Shown In Section II Are Maximum Ceiling Levels (Weight %) to be used for calculations for regulations.  
A reportable quantity is a quantity of a hazardous substance that triggers reporting requirements under the Comprehensive Environmental Response Compensation And Liability Act (CERCLA).  
If a spill of a substance exceeds it's reportable quantity (RQ) in CFR 302.3, Table 40 302.4 Appendix A & 302.4 Appendix B, the release must be reported to The National Response Center At (800) 424-8802, The State Emergency Response Commission (SERC), And community emergency coordinators likely to be affected.  
Components present that could require reporting under the statute are:  
NONE KNOWN

Superfund Amendments And Reauthorization Act Of 1986 (SARA) Title III Requires emergency planning based on the Threshold Quantities (TPQ'S) and release reporting based on Reportable Quantities (RQ'S) In 40 CFR 355 Appendix A&B Extremely Hazardous Substances. The emergency planning and release requirements of 40 CFR 355 apply to any facility at which there is present any amount of any extremely hazardous substance (EHS) equal to or in excess of it's Threshold Planning Quantity (TPQ).  
Components present that could require reporting under the statute are:  
NONE KNOWN

EPCRA 40 CFR 372 (Section 313) Requires EPA and the States to annually collect data on releases of certain toxic materials from industrial facilities, and make the data available to the public in the Toxics Release Inventory (TRI). This information must be included in all MSDS'S that are copied and distributed or compiled for this material.  
Reporting Threshold: Standard: A facility must report if it manufactures (including imports) or processes 25,000 pounds or more or otherwise uses 10,000 pounds or more of a listed toxic chemical during the calendar year.  
Components present that could require reporting under the statute are:  
See Section II

The components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) chemical substance inventory. Mixtures shall be assumed to present the same health hazards as do the components which comprise one percent (by weight or volume) or greater of the mixture, except that the mixture shall be assumed to present a carcinogenic hazard if it has a component in concentrations of 0.1 percent or greater. The remaining percentage of unspecified ingredients, if any, are not contained in above DeMinimis concentrations and/or are believed to be non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200), and may consist of pigments, fillers, defoamers,

wetting agents, resins, dryers, anti-bacterial agents, water and/or solvents in varying concentrations.

International Regulations:

Canadian WHMIS:

This product is not listed in any division, class, or subdivision.

Canadian Environmental Protection Act (CEPA):

All of the components of this product are exempt or listed on the DSL/NDSL. See Section II For Composition/Information on Ingredients.

EINECS:

Neopentyl Glycol Diglycidyl Ether CAS# 17557-23-2

EINECS# 241-536-7

State Regulations:

California:

California Proposition 65: The following Statement is made in order to comply with The California Safe Drinking Water and Toxic Enforcement Act of 1986

"WARNING: This product contains the chemical(s) appearing below known to the State of California to:

A: Cause Cancer

NONE KNOWN

\*If tinted contains Carbon Black: CAS#1333-86-4 and may also contain trace amounts of Crystalline Silica: CAS#14808-60-7

B: Cause Birth Defects or other Reproductive Harm :

NONE KNOWN

In addition to the above named chemical(s) (if any), this product may contain trace amounts of chemicals, known to the State of California, to cause Cancer or Birth Defects and other Reproductive Harm

Delaware:

NONE KNOWN

Florida:

NONE KNOWN

Idaho:

NONE KNOWN

Massachusetts:

NONE KNOWN

Michigan:

NONE KNOWN

Minnesota:

NONE KNOWN

New Jersey:

NONE KNOWN

New York:

NONE KNOWN

Pennsylvania:

NONE KNOWN

Washington:

NONE KNOWN

Wisconsin:

NONE KNOWN

West Virginia

NONE KNOWN

## HMIS® III

Health : 3

Flammability : 3

Physical Hazard : 0

*\*Following Health rating Indicates Chronic/Carcinogenic Effects*

HMIS® III Personal Protection : J

This rating is for the product as it is packaged. This rating will need to be adjusted by the user based on conditions of use.

The information contained herein relates only to the specific material identified. United Coatings believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. To assure proper use & disposal of these materials & the safety & health of employees & customers, United Coatings urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.