

**PRO CHEM, INC.**

1475 BLUEGRASS LAKES PKWY.  
ALPHARETTA, GA 30004  
EMERGENCY/INFO # (800) 241-8180  
ADDITIONAL EMERGENCY # INFO TRAC 1-800-535-5053

**MATERIAL SAFETY DATA SHEET****C-JOINT / #2445****FEBRUARY 2010****PAGE 1**

HEALTH	2
FIRE	1
REACTIVITY	0
P.P.E.	G

Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)

**SECTION 1 – Chemical and Company Identification****IDENTITY INFORMATION:** Epoxy Resin – Part A**SECTION 2 – Composition on Ingredients**

NAME	CAS #	HAZARD CODE
Resin Compound	25068-38-6	Non-Hazardous
C C Alkylglycidyl Ether	686609-97-2	

**SECTION 3 – Hazards Information**

**PRIMARY ROUTE(S):** Inhalation, Skin, Ingestion  
**SIGNS AND SYMPTOMS OF EXPOSURE:** Irritant to eye, skin and respiratory system. Prolonged contact may or may not result in chemical burns. Repeated handling may cause dermatitis and allergies.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Neurological disorders, skin disorders and allergies

**CARCINOGENICITY:** No **NTP:** N/A  
**IARC MONOGRAPHS:** N/A **OSHA REGULATED:** N/A

**SECTION 4 – First Aid Measures**

**EMERGENCY & FIRST AID PROCEDURES:** Wash for 15 minutes in case of eye contact. Call a physician immediately. The same procedures for nose and throat. If ingested, drink 3-4 glasses of milk. Do not induce vomiting. Wash clothing with soap & water. Discard shoes. Clean skin with waterless hand cleaner, then wash with soap and water.

**SECTION 5 – Fire Fighting Measures**

**FLASH POINT:** PMCC 240°F **FLAMMABLE LIMITS:** LEL: N/A UEL: N/A  
**EXTINGUISHING MEDIA:** Water fog, Carbon Dioxide or Dry chemicals  
**SPECIAL FIRE FIGHTING PROCEDURES:** Do not breathe fumes. Do not allow to reach streams, rivers, etc. If so, notify proper authorities.  
**UNUSUAL FIRE/EXPLOSIVE HAZARDS:** N/A

**SECTION 6 – Accidental Release Measures**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Stop leak. Pump to salvage area or tank. Absorb remaining on paper, sand, clay, earth, vermiculite, floor absorbent or other absorbent materials. Shovel into containers

**SECTION 7 – Handling and Storage**

**PRECAUTIONS TO BE TAKEN IN STORAGE AND HANDLING:** Wear protective boots, goggles, and long sleeve shirts and long pants to protect skin and eyes. Gloves are also to be worn  
**OTHER PRECAUTIONS:** Provide ventilation from exhaust fans

**SECTION 8 – Exposure Controls/Personal Protection**

**VENTILATION:** YES – provide through use of exhaust fans.  
**PROTECTIVE GLOVES:** YES **EYE PROTECTION:** Goggles  
**RESPIRATORY PROTECTION:** Self-contained respirators are recommended.  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Long sleeve shirts, long pants and boots.

**WORK & HYGIENIC PRACTICES:**

Isolated contact with skin can be cleaned off the skin by the use of waterless hand cleaners. Followed by washing with soapy water. Rinse and dry with paper towels. DO NOT use solvent

**SECTION 9 – Physical and Chemical Properties**

**APPEARANCE/ODOR:** White liquid of moderate viscosity, almost odorless  
**EVAPORATION RATE :** N/A  
**SOLUBILITY IN WATER:** Insoluble **SPECIFIC GRAVITY (H20=1):** 1.15@68°F  
**MELTING POINT:** N/A **VAPOR PRESSURE (mm Hg@77°F):** 0.003  
**VAPOR DENSITY (AIR=1):** >1.0 **BOILING POINT:** 425°F

**SECTION 10 – Stability and Reactivity**

**STABILITY:** Stable  
**INCOMPATIBILITY:** Mineral acids, strong oxidizing agents and bases  
**CONDITIONS TO AVOID:** Mineral Acids  
**HAZARDOUS POLYMERIZATION:** Will not occur  
**HAZARDOUS DECOMPOSITION/BY-PRODUCTS:** CO<sub>2</sub>, CO-hydrocarbons  
**CONDITIONS TO AVOID:** Do not smoke, eat or drink while using this material.

**SECTION 11 – Toxicological Information**

No Data Available

**SECTION 12 – Ecological Information**

No Data Available

**SECTION 13 – Disposal Consideration**

**WASTE DISPOSAL:** Always consult Federal, State, and Local Disposal Authorities.

**SECTION 14 – Transport Information**

Non-Hazardous

**SECTION 15 – Regulatory Information**

No Data Available

**SECTION 16 – Other Information**

This information was compiled from current manufacturer's MSDS's of the component parts of the product.

**Disclaimer:** The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

THIS INFORMATION MUST BE ON ALL MSDS'S COPIED AND DISTRIBUTED FOR THIS MATERIAL.  
 NO WARRANTY IS EXPRESSED/IMPLIED REGARDING THE ACCURACY OF THIS DATA OR RESULTS OBTAINED FROM USE. PROCHEM ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO USER. VENDEE/USER ASSUMES ALL RISKS ASSOCIATED WITH USE.

**PRO CHEM, INC.**

1475 BLUEGRASS LAKES PKWY.  
ALPHARETTA, GA 30004  
EMERGENCY/INFO # (800) 241-8180  
ADDITIONAL EMERGENCY # INFO TRAC 1-800-535-5053

**MATERIAL SAFETY DATA SHEET****C-JOINT / #2445****FEBRUARY 2010****PAGE 2**

HEALTH	2
FIRE	1
REACTIVITY	0
P.P.E.	G

Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)

**SECTION 1 – Chemical and Company Identification****IDENTITY INFORMATION:** Part B**SECTION 2 – Composition on Ingredients**

NAME	CAS #	HAZARD CODE
Tetraethylene Pentamine	112-57-2	
N-aminoethylpiperazine	140-31-8	
Nonyl Phenol	25154-52-3	
Tall Oily Fatty Acid	68953-36-6	
Polyoxyalkyleneamine	9046-10-0	

**SECTION 3 – Hazards Information****PRIMARY ROUTE(S):** Inhalation, Skin, Ingestion**SIGNS AND SYMPTOMS OF EXPOSURE:** Chemical burns can happen.**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Irritant to eyes, skin and respiratory system. Prolonged contact may or may not result in chemical burns. Repeated handling may cause dermatitis and allergies.**CARCINOGENICITY:** No **NTP:** N/A **IARC MONOGRAPHS:** N/A **OSHA REGULATED:** N/A**SECTION 4 – First Aid Measures**

**EMERGENCY & FIRST AID PROCEDURES:** Wash for 15 minutes in case of eye contact. Call a physician immediately. The same procedures for nose and throat. If ingested, drink 3-4 glasses of milk. Do not induce vomiting. Wash clothing with soap & water. Discard shoes. Clean skin with waterless hand cleaner, then wash with soap and water.

**SECTION 5 – Fire Fighting Measures**

**FLASH POINT:** PMCC 240°F **FLAMMABLE LIMITS:** LEL: N/A UEL: N/A  
**EXTINGUISHING MEDIA:** Water fog, Carbon Dioxide or Dry chemicals  
**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus. Keep cool with water fog.  
**UNUSUAL FIRE/EXPLOSIVE HAZARDS:** N/A

**SECTION 6 – Accidental Release Measures**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Stop leak. Pump to salvage area or tank. Absorb remaining on paper, sand, clay, earth, vermiculite, floor absorbent or other absorbent materials. Shovel into containers.

**SECTION 7 – Handling and Storage**

**PRECAUTIONS TO BE TAKEN IN STORAGE AND HANDLING:** Wear protective boots, goggles, and long sleeve shirts and long pants to protect skin and eyes. Gloves are also to be worn  
**OTHER PRECAUTIONS:** Provide ventilation from exhaust fans.

**SECTION 8 – Exposure Controls/Personal Protection**

**VENTILATION:** YES – provide through use of exhaust fans.  
**PROTECTIVE GLOVES:** YES **EYE PROTECTION:** Goggles  
**RESPIRATORY PROTECTION:** Self-contained respirators are recommended  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Long sleeve shirts, long pants and boots.  
**WORK & HYGIENIC:** Isolated contact with skin can be cleaned off the skin by the use of waterless

**PRACTICES:**

hand cleaners. Followed by washing with soapy water. Rinse and dry with paper towels. DO NOT use solvent.

**SECTION 9 – Physical and Chemical Properties**

**APPEARANCE/ODOR:** Medium viscosity liquid with ammonia odor  
**EVAPORATION RATE :** N/A  
**SOLUBILITY IN WATER:** Slight  
**MELTING POING:** N/A  
**VAPOR DENSITY (AIR=1):** N/A  
**SPECIFIC GRAVITY (H20=1):** 0.97@68°F  
**VAPOR PRESSURE (mm Hg@77°F):** <1  
**BOILING POINT:** N/A

**SECTION 10 – Stability and Reactivity**

**STABILITY:** Stable  
**INCOMPATIBILITY:** N/A  
**CONDITIONS TO AVOID:** Acids and strong oxidizers  
**HAZARDOUS POLYMERIZATION:** Will not occur  
**HAZARDOUS DECOMPOSITION/BY-PRODUCTS:** Nitrous Oxide and Carbon Monoxide  
**CONDITIONS TO AVOID:** Epoxy resins unless thoroughly trained

**SECTION 11 – Toxicological Information**

No Data Available

**SECTION 12 – Ecological Information**

No Data Available

**SECTION 13 – Disposal Consideration****WASTE DISPOSAL:** Always consult Federal, State, and Local Disposal Authorities.**SECTION 14 – Transport Information**

D.O.T Shipping Name, Corrosive Liquids, NOS (Amines) 8, UN1760  
PG II Item # 35180

**SECTION 15 – Regulatory Information**

No Data Available

**SECTION 16 – Other Information**

This information was compiled from current manufacturer's MSDS's of the component parts of the product.

**Disclaimer:** The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

**THIS INFORMATION MUST BE ON ALL MSDS'S COPIED AND DISTRIBUTED FOR THIS MATERIAL.**  
**NO WARRANTY IS EXPRESSED/IMPLIED REGARDING THE ACCURACY OF THIS DATA OR RESULTS OBTAINED FROM USE. PROCHEM ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO USER. VENDEE/USER ASSUMES ALL RISKS ASSOCIATED WITH USE.**