

MATERIAL SAFETY DATA SHEET

PAGE 1 OF 3

PRODUCT NAME: (2100) PRO FLOOR EPOXY PART A

HMIS CODES: H1 F0 R0 PG

PRODUCT CODE: F2100A

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Pro Guard Coatings

ADDRESS: One Industrial Way Denver, PA 17517

EMERGENCY PHONE: 1-800-424-9300 INFORMATION PHONE: 717-336-7900 DATE REVISED: 2/29/08

NAME OF PREPARER: Sue Nielsen

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

| HAZARDOUS COMPONENTS | CAS NUMBER | OCCUPATIONAL EXPOSURE LIMITS | | | VAPOR PRESSURE | | WEIGHT PERCENT |
|--|------------|------------------------------|------------------------|-------|----------------|------|----------------|
| | | OSHA PEL | ACGIR TLV | OTHER | am Hg@ | TEMP | |
| DIGLYCIDYL ETHER BISPHENOL A EPOXY RESIN | 25085-99-8 | N.E. | N.E. | | | | |
| ALIPHATIC EPOXIDE | MIXTURE | | | | | | |
| SALT OF UNSAT'D AMIDES & ACIDIC ESTERS | MIXTURE | | | | | | |
| BARIUM SULFATE * | 7727-43-7 | 10 mg / m ³ | 10 mg / m ³ | | | | 5-10 |
| ALPHA HYDROXY TOLUENE | 100-51-6 | N.E. | N.E. | | | | |
| METHYL N-AMYL KETONE | 110-43-0 | N.E. | N.E. | | | | 0-2 |

*Barium Sulfate is listed in SARA III, part 372, section 313

T.S.C.A. STATUS – OK ON ALL ABOVE COMPONENTS

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|----------------------|--|---------------------------|-----|
| BOILING POINT: | N/A | SPECIFIC GRAVITY (H20=1): | 1.4 |
| VAPOR DENSITY: | N/A | EVAPORATION RATE: | N/A |
| COATING V.O.C. | N/A | | |
| MATERIAL V.O.C. | | | |
| SOLUBILITY IN WATER: | INSOLUBLE | | |
| APPEARANCE AND ODOR: | VISCIOUS LIQUID WITH A MILD SWEET ODOR | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | | |
|---|--------------------------------------|--------------|-----------|-----|
| FLASH POINT: | >200° F | METHOD USED: | SETAFLASH | |
| FLAMMABLE LIMITS IN AIR BY VOLUME- | LOWER: | N/A | UPPER: | N/A |
| EXTINGUISHING MEDIA; | FOAM, CO2, DRY CHEMICAL, WATER SPRAY | | | |
| SPECIAL FIREFIGHTING PROCEDURES: FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS. | | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: COMBUSTION PRODUCTS MAY BE TOXIC. COOL STORAGE CONTAINERS WITH WATER SPRAY TO PREVENT PRESSURE BUILD UP WHICH COULD RUPTURE CONTAINERS. | | | | |

SECTION V - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID:

Excessive heating over long periods of time degrades the resin.

INCOMPATIBILITY (MATERIALS TO AVOID)

Uncontrolled reaction with amines

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

By fire: carbon dioxide, carbon monoxide, nitrogen oxide, aldehydes

HAZARDOUS POLERIZATION: WILL NOT OCCUR

N/A

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin: Prolonged and repeated light contact can cause defatting and drying of the skin, which may result in dermatitis.

Eye: Short-term liquid or vapor contact may result in slight eye irritation. Prolonged contact-may be more irritating

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

See the previous.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Liquid ingestion may result in vomiting. Aspiration of the liquid must be avoided as liquid contact with the lungs can result in chemical pneufflonitis and pulmonary edemajhemorrhage.

HEALTH HAZARDS (ACUTE AND CHRONIC)

XXXXXXXX

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Conditions aggravated by exposure may include skin and allergy disorders.

EMERGENCY AND FIRST AID PROCEDURES

Eye: Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary

Skin: Promptly wash with soap and water. Do not wash with solvents. Seek medical advice if irritation develops or persists.

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.

Ingestion: Get medical attention immediately. Never give liquids to an unconscious or convulsing person.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Wear protective clothing to prevent exposure. Stop spill and dike to prevent spreading. Soak up with a noncombustible absorbent and place in drums for disposal. Flush area with water to remove trace residue. Collect flush solutions for disposal.

WASTE DISPOSAL METHOD

Dispose of in a facility approved under RCRA regulations for Hazardous Waste. Containers must be leak-proof and properly labeled.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep away from heat and open flames. Keep containers sealed.

OTHER PRECAUTIONS

Wash up with soap and water before eating, drinking, and smoking or using toilet facilities. Launder contaminated clothing before reuse.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION

NIOSH-approved respirator to prevent overexposure. Provide adequate ventilation.

VENTILATION

Local exhaust if needed.

PROTECTIVE GLOVES

Impervious gloves

EYE PROTECTION

Splash goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

N/A

WORK/HYGIENIC PRACTICES

Wash up with soap and water after handling material. Launder contaminated clothing before reuse.

SECTION IX – TRANSPORT INFORMATION

US DOT-NOT REGULATED

SEA- (IMDG)-NOT REGULATED

AIR- (IATA)-NOT REGULATED

SECTION X - DISCLAIMER

DISCLAIMER

The facts stated are based upon information believed to be accurate. No guarantee is made of data accuracy. We do not assume responsibility or liability for use of this product, since we have no control over the conditions or methods of its use. Compliance with all applicable federal state and local regulations is the responsibility of the user.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: (2100) PRO FLOOR EPOXY PART B
STANDARD HARDENER

HMIS CODES: H3 F0 R0 PG

PRODUCT CODE: F2100B

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Pro Guard Coatings

ADDRESS: One Industrial Way Denver, PA 17517

EMERGENCY PHONE: 1-800-424-9300 **INFORMATION PHONE:** 717-336-7900 **DATE REVISED:** 2/28/08

NAME OF PREPARER: Sue Nielsen

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

| HAZARDOUS COMPONENTS | CAS NUMBER | OCCUPATIONAL EXPOSURE LIMITS | | | VAPOR PRESSURE | WEIGHT |
|----------------------------|------------|------------------------------|-----------|-------|----------------|---------|
| | | OSHA PEL | ACGIR TLV | OTHER | am Hg @ TEMP | PERCENT |
| POLYOXALKLENEAMINE | 9046100 | N.E. | N.E. | | | |
| TRIETHYLENE GLYCOL DIAMINE | 929599 | N.E. | N.E. | | | |
| EPOXY CURING AGENT | MIXTURE | N.E. | N.E. | | | |
| ALKYL PHENOL | 84852153 | N.E. | N.E. | | | |
| ALPHA HYDROXY TOLUENE | 100-51-6 | N.E. | N.E. | | | |

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372***
T.S.C.A. Status OK on all above components

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|-----------------------------|------------------------------|----------------------------------|------|
| BOILING POINT: | N/A | SPECIFIC GRAVITY (H20=1): | >1.0 |
| VAPOR DENSITY: | N/A | EVAPORATION RATE: | N/A |
| COATING V.O.C. | N/A | | |
| MATERIAL V.O.C. | 3.14 LB/GAL | | |
| SOLUBILITY IN WATER: | INSOLUBLE | | |
| APPEARANCE AND ODOR: | CLEAR LIQUID WITH AMINE ODOR | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | |
|---|--------------------------------------|-----|-------------------|
| FLASH POINT: >200° | METHOD USED: CLOSED CUP | | |
| FLAMMABLE LIMITS IN AIR BY VOLUME- | LOWER: | N/A | UPPER: N/A |
| EXTINGUISHING MEDIA: | FOAM, CO2, DRY CHEMICAL, WATER SPRAY | | |
| SPECIAL FIREFIGHTING PROCEDURES: FULL PROTECTIVE EQUIPMENT. WATER SPRAY MAY BE INEFFECTIVE, BUT MAY BE USED TO COOL CLOSED CONTAINERS. | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: TOXIC FUMES MAY BE EVOLVED WHEN THIS MATERIAL IS INVOLVED IN A FIRE. SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE TO FIREFIGHTERS. COOL FIRE-EXPOSED CONTAINERS WITH WATER | | | |

SECTION V - REACTIVITY DATA**STABILITY:** STABLE**CONDITIONS TO AVOID:**

KEEP CONTAINER CLOSED WHEN NOT IN USE

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZERS OR ACIDS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

CARBON MONOXIDE AND ASPHYXIANTS

HAZARDOUS POLERIZATION: WILL NOT OCCUR

N/A

SECTION VI - HEALTH HAZARD DATA**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes, **SEE SKIN ABSORPTION SIGNS AND SYMPTOMS OF EXPOSURE.**

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin: Prolonged and repeated liquid contact can cause defatting and drying of the skin, which may result in dermatitis.

Eye: Short-term liquid or vapor contact may result in slight eye irritation. Prolonged contact-may be more irritating

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Contains trace amounts of organic solvent. Chronic exposure may cause damage to the central nervous system, respiratory system, lung, eye, skin, liver, gastrointestinal tract, spleen, kidneys and blood. Vapor harmful and irritating.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Liquid ingestion may result in vomiting. Aspiration "breathing" of vomitus into the lungs must be avoided as even small quantities in the lungs may result in chemical pneumonitis and pulmonary edema / hemorrhage.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute toxicity: May cause burns to the skin and eyes. High concentrations can cause severe irritation to eyes and respiratory tract. Liquid causes severe damage to mucous membranes if swallowed. Chronic or prolonged exposure may cause asthma and skin sensitization or other allergic response.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

N/A

EMERGENCY AND FIRST AID PROCEDURES

Eye: Flush with water for 15 minutes while holding eyelids open. Get medical attention immediately.

Skin: Wash with soap and water. Remove contaminated clothing and shoes and do not reuse until laundered. Get medical attention.

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing.

Ingestion: Do not induce vomiting even though vomiting may occur. If vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Prevent ignition; stop leak; ventilate area; contain spill; absorb on inert material.

WASTE DISPOSAL METHOD

Follow Federal, State and Local regulations. Dispose of in a facility approved under RCRA regulations for Hazardous Waste. Incinerate. Contract an authorized disposal service.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sparks, or flame. Keep containers tightly closed. Keep in well-ventilated space.

OTHER PRECAUTIONS

This product is designated as a hazardous substance under the Clean Water Act. Keep out of surface waters or sewers entering or leading to surface waters.

SECTION VIII - CONTROL MEASURES**RESPIRATORY PROTECTION**

NIOSH-approved respirator as required to prevent overexposure. Use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

VENTILATION

Use explosion proof ventilation as required to control vapor concentrations.

PROTECTIVE GLOVES

Impervious gloves

EYE PROTECTION

Chemical goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Protective clothing as required to prevent skin contact.

WORK/HYGIENIC PRACTICES

Do not weld, heat or drill near containers. Even empty containers may contain explosive vapors.

SECTION IX – TRANSPORT INFORMATION

US DOT- Corrosive Liquid, N.O.S., (Poly(oxy(methyl -1, 2-ethanediyl)), alpha-(2-aminomethylethyl)omega (2-aminomethylethoxy), 8, UN1760, PGIII

SEA- (IMDG)

Proper Shipping Name: UN1760, Corrosive Liquid, N.O.S., (Poly(oxy(methyl -1, 2-ethanediyl)), alpha-(2-aminomethylethyl)omega (2-aminomethylethoxy), 8, PGIII

Hazard Class and Division: 3

UN Number: 1760

Packing Group: III

Labels: 8

Transport Document Name: UN1760, Corrosive Liquid, N.O.S., (Poly(oxy(methyl -1, 2-ethanediyl)), alpha-(2-aminomethylethyl)omega (2-aminomethylethoxy), 8, PGIII

AIR- (IATA)

Proper Shipping Name: UN1760, Corrosive Liquid, N.O.S., (Poly(oxy(methyl -1, 2-ethanediyl)), alpha-(2-aminomethylethyl)omega (2-aminomethylethoxy), 8, PGIII

Hazard Class and Division: 3

UN Number: 1760

Packing Group: III

Labels: 8

Transport Document Name: UN1760, Corrosive Liquid, N.O.S., (Poly(oxy(methyl -1, 2-ethanediyl)), alpha-(2-aminomethylethyl)omega (2-aminomethylethoxy), 8, PGIII

SECTION X - DISCLAIMER

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