

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: (1509) PROFLEX RESIN BLACK 1:1

HMIS CODES: H1 F0 R0 PB

PRODUCT CODE: F1509

## 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: 10/31/06

NAME OF PREPARER: Sue Nielsen

## SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE am Hg @ TEMP	WEIGHT PERCENT
		OSHA PEL	ACGIR TLV	OTHER		
REACTION PRODUCTS OF EPICHLOROHYDRIN & BISPHENOL A	25068-38-6				1.0 68°F	
ALIPHATIC EPOXIDE	MIXTURE				N/A	

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372\*\*\*

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	392°F	SPECIFIC GRAVITY (H2O=1):	1.1
VAPOR DENSITY:	N/A	EVAPORATION RATE:	N/A
COATING V.O.C.	0.07 LB/GL (8 G/L)		
MATERIAL V.O.C.	0.07 LB/GL (8 G/L)		
SOLUBILITY IN WATER:	INSOLUBLE		
APPEARANCE AND ODOR:	BLACK VISCOUS LIQUID WITH SLIGHT PETROLEUM ODOR		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	N/A	METHOD USED:	N/A	
FLAMMABLE LIMITS IN AIR BY VOLUME-	LOWER:	N/A	UPPER:	N/A
EXTINGUISHING MEDIA:	FOAM, CO2, DRY CHEMICAL			
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:**  
STRONG OXIDIZERS

**INCOMPATIBILITY (MATERIALS TO AVOID)**  
STRONG OXIDIZERS

**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-NOT REGULATED**

**SEA- (IMDG)-NOT REGULATED**

**AIR- (IATA)-NOT REGULATED**

**SECTION IX - 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

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PRODUCT NAME: (1607) PROFLEX HARDENER 1 :1 HMIS CODES: H3 F1 R0 PG

PRODUCT CODE: F1607

## 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: 10/31/06

NAME OF PREPARER: Sue Nielsen

## SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE am Hg @ TEMP	WEIGHT PERCENT
		OSHA PEL	ACGIR TLV	OTHER		
EPOXY CURING AGENT	MIXTURE				N/A	
ALKYL PHENOL	84852153				N/A	

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372\*\*\*

## 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.	N/A		
SOLUBILITY IN WATER:	INSOLUBLE		
APPEARANCE AND ODOR:	OFF WHITE LIQUID WITH AMINE ODOR		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	N/A	METHOD USED:	N/A	
FLAMMABLE LIMITS IN AIR BY VOLUME-	LOWER:	N/A	UPPER:	N/A
EXTINGUISHING MEDIA:	FOAM, CO2, DRY CHEMICAL			
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:**  
STRONG OXIDIZERS

**INCOMPATIBILITY (MATERIALS TO AVOID)**  
STRONG OXIDIZERS

**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.

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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****DISCLAIMER**

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