

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer** Professional Coatings, Inc.,  
100 Commerce Park Dr. Cabot, AR 72023

**Telephone** (501) 843-7509 **Fax** (501) 843-9261

**Product Names** Radcoat Semi-Gloss

**Recommended Use** UV curable coating

**Restrictions on Use** For Industrial/Commercial use only

**Emergency Contact / Number** Chemtrec / (800) 424-9300 (US and Canada) / (703) 527- 3887 (outside US and Canada)

### SECTION 2: HAZARD IDENTIFICATION

#### Hazards

Skin corrosion/irritation Category 2 – Causes skin irritation

Eye damage/irritation Category 2A – Causes serious eye irritation

Specific target organ toxicity  
-repeat exposure Category 2 – Causes damage to organs through prolonged or repeated contact  
-single exposure Category 3 – May cause respiratory irritation



**Signal Word** WARNING

#### Precautionary Statements

##### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapors. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required.

##### Response

IF exposed or concerned: get medical advice or attention. Get medical advice or attention if you feel unwell. If on skin: Wash with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: get medical advice or attention. If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice or attention if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing. If eye irritation persists get medical advice or attention.

##### Storage and Disposal

Store in a well ventilated place. Keep container tightly closed and locked up. Dispose of contents and container to an approved waste disposal plant.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#	Component Percent
Trimethylolpropane ethoxylate triacrylate	2891-43-5	<10
Dipentaerythritol hexa acrylate	29570-58-9	<10
N-ethyl morpholine	100-74-3	<2
Methanone	947-19-3	<1
Benzophenone	119-61-9	<1
Non-hazardous ingredients	Mixture	Balance

#### SECTION 4: FIRST AID MEASURES

- Eye Contact:** Flush eyes with clean, lukewarm water for at least 15 minutes while holding eyelids open. Remove contacts. Get medical attention if irritation persists.
- Skin Contact:** Wash affected area with mild soap and water then rinse with water. Remove any contaminated clothing and wash before reuse.
- Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth and then drink plenty of water. Do not induce vomiting. Obtain emergency medical attention.
- Inhalation:** Remove to fresh air and seek medical attention.

##### **Most Important Symptoms / Effects**

May cause reversible skin, eye and respiratory irritation. Prolonged or repeated inhalation may damage organs. See Sec 11.

##### **Indication of Immediate Medical Attention and Special Treatment, If Necessary**

Persistent eye or skin irritation, ingestion, gastrointestinal or respiratory distress.

#### SECTION 5: FIREFIGHTING MEASURES

##### **Suitable and Unsuitable Extinguishing Media**

Water mist, CO<sub>2</sub> and foam. Do not use heavy water stream.

##### **Specific Hazards Arising from the Chemical**

May produce toxic fumes, gases, and vapors in a fire. Closed containers may rupture or explode when exposed to extreme heat.

##### **Specific Protective Equipment and Precautions for Fire-Fighters**

Use a water spray to cool fire-exposed containers, structures and to protect personnel. Do not enter confined fire space without full equipment and a positive pressure NIOSH-approved self-contained breathing apparatus. Closed containers may explode from high heat.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### **Personal Precautions**

Isolate release area and keep unnecessary or untrained people away. Avoid skin or eye contact with spilled material. See Section 8 for personal protection gear.

##### **Environmental Precautions**

Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Advise EPA, state or local agencies as required.

##### **Methods for Cleaning Up**

Do not discharge to the environment. Transfer to labeled, sealable containers for product recovery or safe disposal. Small liquid spills can be handled using absorbent material. Larger spills should be diked to prevent runoff to the environment or sewer.

#### SECTION 7: HANDLING AND STORAGE

##### **Handling and Storage**

Use good ventilation and follow all procedures and precautions for handling a possible irritant. Store at room temperature (50 – 90 °F) and keep dry. Keep from direct sunlight or sources of ignition. Reseal lid on container after use. Store only in original or compatible, clearly labeled container.

#### SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

##### **Exposure Limits**

###### **Component Name**

N-ethyl morpholine

###### **ACGIH**

5 ppm (TWA)

###### **OSHA**

20 ppm (TWA)

##### **Engineering Controls**

Use appropriate ventilation to maintain airborne concentration limits below exposure limits. Have eye wash stations and safety showers readily available.

##### **Eye and Face Protection**

Wear safety glasses or chemical safety goggles; use face shield if splashing is possible e.g. when working with large amounts.

##### **Skin Protection**

Wear protective gloves to avoid repeated or prolonged contact.

##### **Respiratory Protection**

Maintain good ventilation or air flow. Use a respirator in areas where the exposure is unknown or above OSHA or ACGIH limits.

##### **General Hygiene**

Follow accepted work practices for handling an irritant material. Do not eat, drink or smoke in areas where this product is used or stored. Wash thoroughly with soap and water after task or shift, when using the restroom or before eating.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance/Physical State</b>	Viscous liquid, color varies	<b>Flash Point (PMCC)</b>	>200 °F
<b>Specific Gravity (Water=1)</b>	1.02 – 1.06	<b>Upper Flammability Limits</b>	Not Determined
<b>Evaporation Rate (ether = 1)</b>	<1	<b>Lower Flammability Limits</b>	Not Determined
<b>pH</b>	7.5 – 8.5	<b>Auto-ignition Temperature</b>	Not Determined
<b>Solubility in Water</b>	Soluble	<b>Decomposition Temperature</b>	Not Determined
<b>Odor</b>	Characteristic	<b>Vapor Pressure</b>	Not Determined
<b>Odor Threshold</b>	Not Determined	<b>Vapor Density (Air=1)</b>	>1
<b>Melting/Freezing Point</b>	Not Determined	<b>Partition Coefficient (n-octanol/water)</b>	Not Determined
<b>Boiling Range</b>	>210 °F	<b>Viscosity (mPas, 20 °C)</b>	Not Determined
<b>Initial Boiling Point</b>	Not Determined	<b>Critical Temperature</b>	Not Determined

Note: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** Not reactive at normal storage and use conditions

**Chemical Stability:** Stable at normal storage and use conditions

**Possibility of Hazardous Reactions:** Will not occur under normal conditions

**Conditions to Avoid:** Extremely high or low temperatures; direct sunlight

**Incompatible Materials:** Strong acids and bases

**Hazardous Decomposition Products:** Carbon monoxide and dioxide

**SECTION 11: TOXICOLOGICAL INFORMATION**

Specific toxicity tests have not been conducted on this mixture. In accordance with OSHA's Hazard Communication Standard 1910.1200, this mixture is assumed to have the same health hazards as its significant components.

**Acute Toxicity Effects**

Likely routes of exposure are skin and eye contact. Inhalation can cause respiratory irritation.

**Chronic Toxicity Effects**

Long term or repeated exposure may aggravate any acute symptoms. Low level components (<1%) can damage liver and kidney.

**Carcinogenicity**

NTP, OSHA and IARC have not identified any carcinogenic ingredients above the statutory limit.

**SECTION 12: ECOLOGICAL INFORMATION**

Specific environmental tests have not been conducted on this mixture. The product is not classified as an environmental hazard based on its main components.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Avoid release to the environment. Dispose of in accordance with local, state/province, and federal environmental regulations.

**SECTION 14: TRANSPORT INFORMATION**

**DOT Information** Not Regulated

**SECTION 15: REGULATORY INFORMATION**

<b>TSCA Status</b>	All components are listed in the TSCA inventory
<b>SARA 311/312 Reporting Categories</b>	Acute, chronic hazards
<b>SARA 313 Reportable Ingredients</b>	None at levels above reporting limits

**SECTION 16: OTHER INFORMATION**

**Department Issuing SDS**      Health and Safety

**Disclaimer**

**Important Notice to Purchaser.** The information in this publication is based on tests that we believe are reliable. Your results may vary due to differences in test types and conditions. You must evaluate and determine whether the product is suitable for your intended application. **Professional Coatings, Inc.'s** exclusive warranty is as follows: If **Pro-Coat** products are proved defective, the user's exclusive remedy will be, at **Pro-Coat's** option, to replace the defective **Pro-Coat** product or to refund the purchase price for the defective quantity. Except for the replacement or refund remedies, **Pro-Coat** is not liable for direct damages or liable for indirect, incidental or consequential damages, regardless of the legal theory asserted, including negligence and strict liability.

**ADDITIONAL COMMENTS**

We recommend that containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable federal, state and local laws and regulations. "EMPTY" drums should not be given to individuals. The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.