



## SDS – SAFETY DATA SHEET

### RC-1600 Acrylic Elastomeric Coating

#### 1. IDENTIFICATION

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**Product Identifier:** RC-1600 Acrylic Elastomeric Coating

**Chemical Formula:** Not applicable for mixtures

**Recommended Use of the Chemical:** Water Base Acrylic Coating. For industrial use only. Do not take internally.

**Manufacturer / Supplier:** Inland Coatings

**Address:** 26259 HWY 6  
Adel, IA 50003

**Website:** [www.inlandcoatings.com](http://www.inlandcoatings.com)

**Phone:** 800-456-8467

**Emergency CHEMTREC Phone:** (800) 424-9300

#### 2. HAZARD(S) IDENTIFICATION

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**Classification of the Substance or Mixture:**

Acute toxicity, oral (Category 4)

Eye irritation (Category 2B)

**Risk Phrases:**

R22: Harmful if swallowed.

R36: Irritating to eyes.

**Label Elements:**

**Signal Word:** Warning



**Hazard Statements:**

H302: Harmful if swallowed.

H320: Causes eye irritation.

**Precautionary Statements:**

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 3. COMPOSITION INFORMATION / INGREDIENTS

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Ingredient	CAS Number	EC Number	Percent
Calcium Carbonate	1317-65-3	215-279-6	30-40%
Titanium Dioxide	13463-67-7	236-675-5	0-10%
Ethylene Glycol	107-21-1	203-473-3	0-2%

### 4. FIRST-AID MEASURES

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**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give Oxygen. Seek medical attention.

**Ingestion:** DO NOT INDUCE VOMITING unless directed by a physician! Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Skin Contact:** Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists

**Eye Contact:** Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

### 5. FIRE-FIGHTING MEASURES

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**Fire:** Slight to moderate fire hazard when exposed to heat or flame.

**Explosion:** Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Containers may explode when involved in a fire.

**Fire Extinguishing Media:** Dry chemical, Alcohol-resistant foam or Carbon Dioxide. Water or foam may cause frothing. Water spray may be used to extinguish surrounding fire and cool exposed containers. Water spray will also reduce fume and irritant gases.

**Special Information:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Toxic gases and vapors may be released if involved in a fire. Material may splatter above 212F (100C.) Polymer film can cause burns.

### 6. ACCIDENTAL RELEASE MEASURES

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**Personal Precautions, Protective Equipment and Emergency Procedures:** Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

**Environmental Precautions and Methods and Materials for Containment and Cleaning Up:** Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth,) and place in an approved chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

## 7. HANDLING AND STORAGE

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**Precautions for Safe Handling:** Wear personal protective equipment as specified in Section 8. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid prolonged or repeated contact with skin. Wash hands before eating, smoking, or using toilet facilities. Wash contaminated work clothing before re-use. Use non-sparking tools and equipment. Keep away from sources of ignition.

**Conditions for Safe Storage, Including Any Incompatibilities:** Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Separate from acids and oxidizing materials. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid.) Observe all warnings and precautions listed for the product. Combustible Liquid. KEEP OUT OF REACH OF CHILDREN.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Airborne Exposure Limits:**

Titanium Dioxide (13463-67-7)

ACGIH TLV: 10 mg/m<sup>3</sup>

OSHA PEL: 15 mg/m<sup>3</sup>

Ethylene Glycol (107-21-1)

ACGIH TLV: 100 mg/m<sup>3</sup>

OSHA TABLE Z-1 Limits for Air Contaminants - 1910.1000): 50 ppm; 125 mg/m<sup>3</sup>

**Ventilation System:** A system of local and / or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

**Personal Respirators (NIOSH Approved):** Maintain adequate ventilation. A respirator is not normally required in ventilated areas. If TLV is exceeded a NIOSH / MSHA approved breathing apparatus is recommended. Contact safety equipment supplier.

**Skin Protection:** Protective / solvent resistant gloves should be worn for prolonged or repeated contact. Long pants and long sleeved shirts are recommended to reduce material contact with skin. Shoes with non-skid soles are also recommended.

**Eye Protection:** Use chemical safety goggles and / or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

**Work / Hygienic Practices:** Always follow good housekeeping practices. Avoid contact with surfaces where material will not be applied.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance:** Viscous liquid

**Odor:** Mild ammonia odor

**Odor Threshold:** Not determined

**pH:** No data available

**Melting Point:** No data available

**Boiling Point / Boiling Range:** 100C (212F)

**Flash Point:** Not determined

**Evaporation Rate (BuAC=1):** Not determined

**Flammability:** Combustible

**Upper / Lower Flammability or Explosive Limits:** Not determined

**Vapor Pressure (mm Hg):** Not determined

**Vapor Density (Air=1):** < 1  
**Relative Density:** 1.5  
**Solubility:** Partial  
**Partition Coefficient: n-octanol / water:** No data available  
**Auto-ignition Temperature:** Not determined  
**Decomposition Temperature:** Not determined  
**Viscosity:** Viscous liquid

## 10. STABILITY AND REACTIVITY

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**Reactivity and / or Chemical Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions and Conditions to Avoid:** Heat, flames, ignition sources, water (absorbs readily) and incompatibles.

**Incompatible Materials:** Strong oxidizing agents. Reacts violently with Chlorosulfonic Acid, Oleum, Sulfuric Acid, Perchloric Acid. Causes ignition at room temperature with Chromium Trioxide, Potassium Permanganate and Sodium Peroxide; causes ignition at 212F (100C) with Ammonium Dichromate, Silver Chlorate, Sodium Chloride, and Uranyl Nitrate.

**Hazardous Decomposition Products:** Carbon Dioxide and Carbon Monoxide may form when heated to decomposition. May produce acrid smoke and irritating fumes when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

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**Emergency Overview:** This product contains Ethylene Glycol (107-21-1.)

### Potential Health Effects:

**Inhalation:** Vapor inhalation is generally not a problem unless heated or misted. Exposure to vapors over an extended time period has caused throat irritation and headache. May cause nausea, vomiting, dizziness and drowsiness. Pulmonary edema and central nervous system depression may also develop. When heated or misted, has produced rapid, involuntary eye movement and coma.

**Ingestion:** Ethylene Glycol is a toxic component of this product. Ingesting the amount of product required to produce the following results is unlikely.

**For Ethylene Glycol:** Initial symptoms in massive dosage parallel alcohol intoxication, progressing to CNS depression, vomiting, headache, rapid respiratory and heart rate, lowered blood pressure, stupor, collapse, and unconsciousness with convulsions. Death from respiratory arrest or cardiovascular collapse may follow. Lethal dose in humans: 100 ml (3 - 4 ounces.)

**Skin Contact:** Minor skin irritation and penetration may occur.

**Eye Contact:** Splashes may cause irritation, pain, eye damage.

**Chronic Exposure:** Repeated small exposures by any route can cause severe kidney problems. Brain damage may also occur. Skin allergy can develop. May damage the developing fetus.

**Aggravation of Pre-existing Conditions:** Persons with pre-existing skin disorders, eye problems, or impaired liver, kidney, or respiratory function may be more susceptible to the effects of this substance.

**Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):** No data available.

**Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):** No data available.

**Germ Cell Mutagenicity:** No data available. **Reproductive Toxicity:** No data available.

**Aspiration Hazard:** Aspiration of material into lungs may cause chemical pneumonitis.

**Numerical Measures of Toxicity:** Cancer Lists: NTP Carcinogen

Ingredient	CAS Number	Known	Anticipated	IARC Category
Calcium Carbonate	1317-65-3	No	No	None
Titanium Dioxide	13463-67-7	No	Yes	2B
Ethylene Glycol	107-21-1	No	No	None

Titanium dioxide is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans.) The IARC classification was based on high concentrations of titanium dioxide particles in animal lungs.

**Acute Toxicity:**

Ethylene Glycol (107-21-1)

**Oral rat LD50:** 4700 mg/kg

**Skin rabbit LD50:** 9530 mg/kg

**Irritation - skin:** 555 mg (open), mild; **eye:** 500mg / 24hr, mild (rabbit)

Investigated as a tumorigen, mutagen, reproductive effector.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity:** This material has not been tested for environmental effects.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Results of PBT and vPvB assessment:** No data available.

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## 13. DISPOSAL CONSIDERATIONS

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Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Empty containers may retain hazardous properties. Containers must not be used for other purposes. Do not weld or flame cut an empty container. Do not transfer to unmarked containers. Follow all SDS label warnings even after container is empty.

## 14. TRANSPORT INFORMATION

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Land Transport ADR/RID and GGVS/GGVE (Cross Border / Domestic): Not regulated

Maritime Transport IMDG/GGVSea: Not regulated

Air Transport ICAO-TI and IATA-DGR: Not regulated

## 15. REGULATORY INFORMATION

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313 of SARA requires suppliers of mixtures or products containing these regulated chemicals to notify their customers. Therefore we are notifying you that this product contains Section 313 listed materials and their respective percentage by weight is indicated below.

Ethylene Glycol (107-21-1) up to 2%

Under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) any environmental release of the following chemicals at or over the reportable quantity listed must be reported promptly to the National Response Center; Washington, DC; 1-800-424-8802.

Ethylene Glycol (107-21-1) 5000 lbs.

## 16. OTHER INFORMATION

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### HMIS / NFPA Hazard Rating:

- 4=EXTREME
- 3= SERIOUS
- 2= MODERATE
- 1=SLIGHT
- 0=MINIMAL

*Effective Date:* 04/01/15 – Standardized for GHS / REACH

*Previous Revisions:* 10/21/04 – First Issue

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