

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ASTEC RINSEABLE PRIMER

**PART NUMBER:**

**GENERAL USE:** Protective coating

**PRODUCT DESCRIPTION:** Clear to pink liquid, mild odor



**MANUFACTURER'S NAME**

Insulating Coatings Corporation

**DATE PREPARED:** March 9, 2009

**SUPERSEDES:** April 1, 2008

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**ADDRESS (NUMBER, STREET, P.O. BOX)**

956 South Hwy 41

**TELEPHONE NUMBER FOR INFORMATION**

(800) 345-5306

**(CITY, STATE AND ZIP CODE)**

Inverness, FL 34450

**COUNTRY**

USA

**EMERGENCY TELEPHONE NUMBER**

ChemTel Inc. 1- (800) 255-3924 Intl. + 01 (813) 248-0585

## SECTION 2 - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Causes chemical burns to eyes. Causes severe digestive tract irritation.. Causes severe respiratory tract irritation. Causes skin irritation.

Hazard Symbols for this product: C, Risk Phrases - R34, 37/38

### POTENTIAL HEALTH EFFECTS

**INHALATION:** Corrosive and irritating to upper respiratory tract and mucous membranes.

**SKIN:** Corrosive and irritating; chemical burns may result from contact; severe irritant.

**EYES:** CORROSIVE; Contact with eyes is painful and irritating and will cause chemical burns.

**INGESTION:** Corrosive and irritating to digestive tract; may cause gastric distress, stomach pains and vomiting.

**CARCINOGENICITY**

NTP?

No

IARC MONOGRAPHS?

No

OSHA REGULATED?

No

## SECTION 3 - HAZARDOUS INGREDIENTS

| HAZARDOUS COMPONENTS                      | %<br>(by weight) | CAS #         | EINECS #      | Hazard<br>Symbol | RISK PHRASES<br>Full Text Section 16 |
|-------------------------------------------|------------------|---------------|---------------|------------------|--------------------------------------|
| Proprietary Inorganic salts (a,b)         | 9.0 - 11.0       | Not specified | Not specified | C                | R-34, 20/22                          |
| Anionic / nonionic surfactant mixture (a) | 1.0 - 3.0        | Not specified | Not specified | Xi               | R-36/38                              |

The remaining components of this product are non-hazardous or are in small enough quantities as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

(a) The specific product is not identified due to "Trade Secret" status. In emergency situations further information may be obtained by the on - duty physician calling the emergency information number listed above. Reference 29 CFR 1910.1200 and / or 40 CFR 350.

(b) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture = 100 lbs) or greater amounts, according to 40 CFR 302.

|                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                 |           |          |            |                 |           |             |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|-----------|----------|------------|-----------------|-----------|-------------|------------|
| MATERIAL SAFETY DATA SHEET                                                                                                                                                                                                                                                                                                                                                                                                               |  |                 |           |          |            |                 |           |             |            |
| PRODUCT NAME: ASTEC RINSEABLE PRIMER<br>March 9, 2009                                                                                                                                                                                                                                                                                                                                                                                    |  |                 |           |          |            |                 |           | Page 2 of 4 |            |
| <b>SECTION 4 - FIRST AID MEASURES</b>                                                                                                                                                                                                                                                                                                                                                                                                    |  |                 |           |          |            |                 |           |             |            |
| INHALATION: Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.                                                                                                                                                                                                                                                                          |  |                 |           |          |            |                 |           |             |            |
| SKIN: Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.                                                                                                                                                                                                                                                                                        |  |                 |           |          |            |                 |           |             |            |
| EYES: Check for and remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.                                                                                                                                                                                                                                                                  |  |                 |           |          |            |                 |           |             |            |
| INGESTION: Drink large quantities of water or milk; give diluted vinegar or lemon juice to conscious person; DO NOT induce vomiting; seek medical attention immediately.                                                                                                                                                                                                                                                                 |  |                 |           |          |            |                 |           |             |            |
| <b>SECTION 5 - FIRE FIGHTING MEASURES</b>                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |           |          |            |                 |           |             |            |
| GENERAL HAZARDS: Product is corrosive. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.                                                                                                                                                                                                                                                                                               |  |                 |           |          |            |                 |           |             |            |
| EXTINGUISHING MEDIA<br>Carbon dioxide, water, water fog, dry chemical, chemical foam.                                                                                                                                                                                                                                                                                                                                                    |  |                 |           |          |            |                 |           |             |            |
| FIRE FIGHTING PROCEDURES<br>Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.<br>CAUTION - material is corrosive.                                                                                                                                                                                                                             |  |                 |           |          |            |                 |           |             |            |
| UNUSUAL FIRE AND EXPLOSION HAZARDS<br>None                                                                                                                                                                                                                                                                                                                                                                                               |  |                 |           |          |            |                 |           |             |            |
| HAZARDOUS COMBUSTION PRODUCTS<br>Smoke, fumes or vapors, oxides of carbon.                                                                                                                                                                                                                                                                                                                                                               |  |                 |           |          |            |                 |           |             |            |
| <b>SECTION 6 - ACCIDENTAL RELEASE MEASURES</b>                                                                                                                                                                                                                                                                                                                                                                                           |  |                 |           |          |            |                 |           |             |            |
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CAUTION - CORROSIVE. Wash small spills to sanitary sewer. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal. For spills in excess of allowable quantities (RQ) notify the National Response Center (800) 424 - 8802; refer to CERCLA 40 CFR 302 for detailed instructions concerning reporting requirements. |  |                 |           |          |            |                 |           |             |            |
| <b>SECTION 7 - HANDLING AND STORAGE</b>                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |           |          |            |                 |           |             |            |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Separate from oxidizing materials, metallic powders and other easily oxidized organic materials and reducing agents. CAUTION - material is corrosive. Keep this and other chemicals out of reach of children.                                                                  |  |                 |           |          |            |                 |           |             |            |
| <b>SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION</b>                                                                                                                                                                                                                                                                                                                                                                               |  |                 |           |          |            |                 |           |             |            |
| HAZARDOUS COMPONENTS                                                                                                                                                                                                                                                                                                                                                                                                                     |  | NIOSH           |           |          |            | ACGIH           |           |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | TWA ppm         | TWA mg/m3 | STEL ppm | STEL mg/m3 | TWA ppm         | TWA mg/m3 | STEL ppm    | STEL mg/m3 |
| Proprietary Inorganic salts (a,b)                                                                                                                                                                                                                                                                                                                                                                                                        |  | Not established |           |          |            | Not established |           |             |            |
| Anionic / nonionic surfactant mixture (a)                                                                                                                                                                                                                                                                                                                                                                                                |  | Not established |           |          |            | Not established |           |             |            |
| <b>PERSONAL PROTECTION:</b>                                                                                                                                                                                                                                                                                                                                                                                                              |  |                 |           |          |            |                 |           |             |            |
| RESPIRATORY PROTECTION: None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134, ANSI Z88.2, or European Standard EN 149 for complete regulations.                                                                                                                                                                 |  |                 |           |          |            |                 |           |             |            |
| PROTECTIVE GLOVES: Neoprene, butyl or nitrile rubber gloves with cuffs.                                                                                                                                                                                                                                                                                                                                                                  |  |                 |           |          |            |                 |           |             |            |
| EYE PROTECTION: Chemical splash goggles. Refer to 29 CFR 1910.133, ANSI Z87.1, or European Standard EN166.                                                                                                                                                                                                                                                                                                                               |  |                 |           |          |            |                 |           |             |            |
| OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment should be worn to prevent skin contact, safety eyewash station nearby.                                                                                                                                                                                                                                                                                      |  |                 |           |          |            |                 |           |             |            |
| WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.                                                                                                                                                                                                                                                                                                         |  |                 |           |          |            |                 |           |             |            |

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| <b>MATERIAL SAFETY DATA SHEET</b>                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |                                                                                                           |                                         |
| PRODUCT NAME: ASTEC RINSEABLE PRIMER<br>March 9, 2009                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                                                                                                           | Page 3 of 4                             |
| <b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |                                                                                                           |                                         |
| APPEARANCE AND ODOR<br>Clear to pink liquid, mild odor                                                                                                                                                                                                                                                                                                                                                                                                              |                                | VAPOR PRESSURE<br>22.7 mm Hg @ 20° C                                                                      |                                         |
| pH<br>13.0 - 13.5                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                | SPECIFIC GRAVITY (WATER = 1)<br>Not specified                                                             |                                         |
| BOILING POINT / BOILING RANGE<br>212F ( 100° C )                                                                                                                                                                                                                                                                                                                                                                                                                    |                                | SOLUBILITY IN WATER<br>Dispersible                                                                        | VISCOSITY<br>Not specified              |
| FLASH POINT<br>Non-flammable                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                | VOLATILE ORGANIC COMPOUNDS (VOC's)<br>None                                                                |                                         |
| FLAMMABLE LIMITS<br>LEL: Not applicable      UEL: Not applicable                                                                                                                                                                                                                                                                                                                                                                                                    |                                | VAPOR DENSITY (AIR = 1)<br>< 1                                                                            |                                         |
| AUTOIGNITION TEMPERATURE<br>Not determined                                                                                                                                                                                                                                                                                                                                                                                                                          |                                | EVAPORATION RATE (WATER = 1)<br>< 1                                                                       |                                         |
| <b>SECTION 10 - STABILITY AND REACTIVITY</b>                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |                                                                                                           |                                         |
| STABILITY<br>UNSTABLE:<br>STABLE: X                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                | CONDITIONS TO AVOID: Extreme temperatures. Contact with active metals can release flammable hydrogen gas. |                                         |
| INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids, strong alkalies.                                                                                                                                                                                                                                                                                                                                                                              |                                |                                                                                                           |                                         |
| HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.                                                                                                                                                                                                                                                                  |                                |                                                                                                           |                                         |
| HAZARDOUS POLYMERIZATION<br>MAY OCCUR:<br>WILL NOT OCCUR: X                                                                                                                                                                                                                                                                                                                                                                                                         |                                | CONDITIONS TO AVOID: None                                                                                 |                                         |
| <b>SECTION 11 - TOXICOLOGICAL INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |                                                                                                           |                                         |
| Hazardous Components                                                                                                                                                                                                                                                                                                                                                                                                                                                | CAS #<br>EINECS #              | LD50 of Ingredient<br>(Specify Species and Route)                                                         | LC50 of Ingredient<br>(Specify Species) |
| Proprietary Inorganic salts (a,b)                                                                                                                                                                                                                                                                                                                                                                                                                                   | Not specified<br>Not specified | Not specified                                                                                             | Not specified                           |
| Anionic / nonionic surfactant mixture (a)                                                                                                                                                                                                                                                                                                                                                                                                                           | Not specified<br>Not specified | 700 mg / kg<br>Oral - rat                                                                                 | > 21.5 mg / L<br>Inhalation - rat       |
| Mixture as supplied                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                | > 2,000 mg/ kg<br>Oral - rat                                                                              | Not specified                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                                                                                                           |                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                                                                                                           |                                         |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                                                                                                           |                                         |
| <b>SECTION 12 - ECOLOGICAL INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                                                                                                           |                                         |
| Acute Alga Toxicity, seawater (ISO 10253)                                                                                                                                                                                                                                                                                                                                                                                                                           | 72 hr                          | Marine Algae (Skeletonema costatum)                                                                       | EbC50                                   |
| Acute Toxicity, freshwater (OECD 203)                                                                                                                                                                                                                                                                                                                                                                                                                               | 96 hr                          | Rainbow Trout (Oncorhynchus mykiss)                                                                       | LC50 >1000 mg / l                       |
| Acute Alga Toxicity, seawater (ISO 10253)                                                                                                                                                                                                                                                                                                                                                                                                                           | 96 hr                          | Marine Algae (Selenastrum capricornutum)                                                                  | EC50 500 mg / l                         |
| Acute Immobilization (OECD 202)                                                                                                                                                                                                                                                                                                                                                                                                                                     | 48 hr                          | Water Flea (Daphnia magna)                                                                                | EC50 > 1000 mg / l                      |
| Acute Invertebrate Toxicity, seawater (PARCOM)                                                                                                                                                                                                                                                                                                                                                                                                                      | 48 hr                          | Marine Copepod (Acartia tonsa)                                                                            | EC50                                    |
| <b>SECTION 13 - DISPOSAL CONSIDERATIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |                                                                                                           |                                         |
| WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Refer to 40 CFR 260 - 299 for complete waste disposal regulations for corrosive materials. Consult your local, state, or federal agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.                   |                                |                                                                                                           |                                         |
| <b>SECTION 14 - TRANSPORT INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |                                                                                                           |                                         |
| PROPER SHIPPING NAME: Caustic alkali liquids, n.o.s. (inorganic salts)<br>DOT HAZARD CLASS / Packaging Group: 8 / III      IATA HAZARD CLASS / Packaging Group: 8 / III<br>REFERENCE: 49 CFR 173.154, .203, .241      IMDG HAZARD CLASS: 8 / III<br>UN / NA IDENTIFICATION NUMBER: UN 1719      RID / ADR Dangerous Goods Code: 8<br>LABEL: CORROSIVE      UN TDG Class / Packaging Group: 8 / III<br>HAZARD SYMBOLS: C      Hazard Identification Number (HIN): 80 |                                |                                                                                                           |                                         |
| Note: Transportation information provided is for reference only. Client is urged to consult 49 CFR 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.                                                                                                                                                |                                |                                                                                                           |                                         |

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ASTEC RINSEABLE PRIMER  
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## SECTION 15 - REGULATORY INFORMATION

### TSCA (USA - Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

### SARA TITLE III (USA - Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories

Immediate health

313 Reportable Ingredients:

None

### CERCLA (USA - Comprehensive Response Compensation and Liability Act)

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture 100 lbs) or greater amounts, according to 40 CFR 302.

### California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.

### CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: E, D2B

### IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

### DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

### EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

WGK Water Quality Index: Not determined

VbK Index: Not applicable

### RISK PHRASES:

R34 Causes burns.  
R37/38 Irritating to respiratory system and skin.

### SYMBOL(S) REQUIRED FOR LABEL

Corrosive



### SAFETY PHRASES:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)

## SECTION 16 - OTHER INFORMATION

### Notes & full R-Phrase text

R34 Causes burns.  
R36/38 Irritating to eyes and skin.  
R37/38 Irritating to respiratory system and skin.

### HMIS HAZARD RATINGS

|                               |   |                               |              |
|-------------------------------|---|-------------------------------|--------------|
| HEALTH                        | 3 | * = Chronic Health Hazard     | 2 = MODERATE |
| FLAMMABILITY                  | 0 | 0 = INSIGNIFICANT             | 3 = HIGH     |
| PHYSICAL HAZARD               | 0 | 1 = SLIGHT                    | 4 = EXTREME  |
| PERSONAL PROTECTIVE EQUIPMENT | C | Safety Glasses, Gloves, Apron |              |

### REVISION SUMMARY:

This MSDS has been revised in the following sections:  
Format update

### MSDS Prepared By:

Comprehensive Data Base, Inc.  
P.O. Box 686  
Seffner, FL 33583 USA  
(863) 644 - 3298 [www.compdatabase.com](http://www.compdatabase.com) or [www.msds.cc](http://www.msds.cc)

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.