

This SDS complies with 29CFR1910.1200 (The Hazard Communication Std.), Globally Harmonized System, and SARA Title III - Release Notification Requirements

### SECTION I – PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Ecoguard P-705  
**Company:** Ecore International Inc.  
 715 Fountain Avenue  
 Lancaster, PA 17601  
 Telephone Number: (800) 322-1923 or (717) 295-3400  
 Fax Number: (717)295-3414

**Chemical Name & Syn:** Polyurethane dispersion  
**Recommended Use:** Textile finish

### SECTION II – HAZARDS IDENTIFICATION

|                          |   |
|--------------------------|---|
| GHS Signal Word          | <b>WARNING</b><br>  |
| GHS Classification       | Acute toxicity, Inhalation (Category 5),<br>Skin irritant (Category 3)<br>Eye irritant (Category 2A)<br>Category 1B Reproductive toxin  |
| Hazard Statements:       | H315 Causes skin irritation.<br>H319 Causes serious eye irritation<br>H335 May cause respiratory irritation.<br>H360 May damage fertility or the unborn child.  |
| Precautionary statements | P201 Obtain special instructions before use.<br>P202 Do not handle until all safety precautions have been read and understood.<br>P262 Do not get in eyes, on skin, or on clothing.<br>P261 Avoid breathing fumes or vapor.<br>P264 Wash skin thoroughly after handling.<br>P270 Do not eat, drink or smoke when using this product.<br>P272 +P362 Contaminated work clothing should not be allowed out of the workplace & should be washed before reuse.<br>P273 Avoid release to the environment.<br>P280 Wear protective gloves/protective clothing/eye protection<br>P302+P352 If on skin, rinse thoroughly with soap and water.<br>P305+P351+P338 If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue to rinse.<br>P308 + P313 IF exposed or concerned: Get medical advice/ attention.<br>P333+P337+P313 If skin or eye irritation or rash occurs - get medical advice/attention.<br>P391 Collect spillage.<br>P501 Dispose of contents/ container to an approved waste disposal plant. |
| HMIS Rating              | 1* Health<br>1 Flammability<br>0 Reactivity<br>B Personal Protection  |

### SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

| Component  | % Weight | Hazard  |
|--|----------|---|
| 1-Methyl-2-pyrrolidinone<br>(872-50-4)                         | <5%      | H227 Combustible liquid.<br>H315 Causes skin irritation.<br>H319 Causes serious eye irritation.<br>H335 May cause respiratory irritation.<br>H360 May damage fertility or the unborn child. |
| Isopropanol (67-63-0)  | 5-8%     | H225 Highly flammable liquid and vapor.<br>H319 Causes serious eye irritation.<br>H336 May cause drowsiness or dizziness.   |
| Bis(2-ethylhexyl)<br>sulfosuccinate, sodium salt<br>(577-11-7) | <2%      | H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H402 Harmful to aquatic life.  |

# SAFETY DATA SHEET

## SECTION IV – FIRST AID MEASURES

|  |  |
|--|--|
| POTENTIAL HEALTH EFFECTS                       | SKIN: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). EYES: eye irritation with stinging.<br>INHALATION: May be harmful if inhaled. Repeated overexposure by inhalation of mist may produce headache, nausea, and dizziness.<br>INGESTION: May be harmful if swallowed or inhaled. May cause irritation to mouth, throat, and digestive system.  |
| INHALATION:                                    | Get victim to fresh air. If not breathing give artificial respiration. Consult a physician.  |
| SKIN:  | Remove contaminated clothing and wash before re-use. Wash skin thoroughly with soap and water for 15 minutes. Consult a physician if irritation persists.  |
| INGESTION:                                     | Not an expected mode of entry. Dilute by drinking large quantities of water. And call a physician immediately.   |
| EYES:  | Immediately flush eyes with running water for at least 15 minutes, periodically lifting the upper and lower eyelids. Remove contact lenses if present.   |
| MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: | In a 4 week inhalation study with rats, 1-methyl-2-pyrrolidinone caused effects on the lung, thymus, blood and lymph tissues. Repeated and prolonged ingestion of 1-methyl-2-pyrrolidinone caused increased severity of spontaneous progressive nephropathy in male rats and increased liver weight and cell hypertrophy in male and female mice. Adverse effects on reproduction have been reported in rats after ingestion of 1-methyl-2-pyrrolidinone, which also caused mild generalized changes in the parental animals. The relevance of these findings to humans is unknown. Fetal effects have been seen in pregnant animals exposed by ingestion, inhalation and skin contact to 1-methyl-2-pyrrolidinone, which has occurred in the presence and absence of maternal toxicity. The relevance of these findings to humans is unknown. |

## SECTION V – FIRE FIGHTING MEASURES

|                                   |   |
|-----------------------------------|---|
| Flash Point / Test Method:        | Not tested  |
| Ignition Temperature:             | Not tested (water emulsion)   |
| Extinguishing Media:              | Water spray jet, foam, dry powder, carbon dioxide   |
| Special Fire Fighting Procedures: | Use NIOSH/MSHA approved self contained breathing apparatus and other proper protective equipment. Use water spray to cool containers. |
| Unusual Fire & Explosion Hazards: | Not known   |
| Hazardous Combustion Products:    | At high temperatures product could decompose to liberate oxides of carbon and ammonia   |

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:**

1. Ensure adequate ventilation and wear appropriate personal protective equipment. Avoid breathing vapors

**ENVIRONMENTAL PRECAUTIONS:**

1. Contain spill. Collect onto inert absorbent. Place in sealable container. Do not allow to contaminate water sources or sewers.

**METHODS FOR CLEANING UP:**

1. Contain spill. Collect onto inert absorbent. Place in sealable container

**WASTE DISPOSAL METHOD IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS.**

## SECTION VII – HANDLING AND STORAGE

|           |   |
|-----------|---|
| Handling: | Avoid circumstances that produce respirable particles. Avoid contact with skin and eyes. Wash thoroughly after handling. Under normal conditions of use, curing (heating), this polymer may generate a small amount of triethylamine. Substrates coated or impregnated with this polymer can emit triethylamine until the polymer is fully reacted. |
| Storage:  | Store in dry conditions below 40C. Keep container sealed when not in use. Protect from freezing.  |

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## SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

| Component               | Regulation  | Value             |
|-------------------------|---|-------------------|
| Isopropanol             | OSHA PEL , TWA  | 400ppm, 980mg/m3  |
|                         | ACGIH TWA   | 200ppm, 492 mg/m3 |
|                         | STEL  | 400ppm, 984 mg/m3 |
| Respiratory Protection: | <u>Normal engineering controls will be adequate under normal application. If protection is required, use approved NIOSH respirator.</u> |                   |
| Ventilation:            | <u>Local mechanical ventilation is recommended – mechanical ventilation may be used.</u>  |                   |
| Protective Gloves:      | <u>Butyl rubber, PVC or Neoprene</u>  |                   |
| Eye Protection:         | <u>Safety glasses or chemical splash goggles</u>  |                   |
| Skin protection:        | Clothing suitable to prevent skin contact   |                   |

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

|                      |                                |
|----------------------|--------------------------------|
| Appearance/ Odor:    | White emulsion with amine odor |
| Boiling Point:       | ~100C                          |
| Melting Point:       | 0C                             |
| Specific gravity:    | Not established                |
| Solubility in Water: | Dispersible                    |
| Vapor Pressure:      | Not established                |
| Evaporation Rate:    | Not established                |

## SECTION X – STABILITY AND REACTIVITY

|  |                          |
|--|--------------------------|
| Conditions to avoid:                                 | The product is stable.   |
| Conditions Contributing to Instability:              | None known               |
| Incompatibility (Materials to Avoid):                | Strong oxidizing agents, |
| Conditions Contributing to Hazardous Polymerization: | Will not occur           |
| Hazardous Decomposition Products:                    | Ammonia                  |

## SECTION XI – TOXICOLOGICAL INFORMATION

|                                    |  |
|------------------------------------|--|
| Acute toxicity LD50/oral/rat:      | >5000mg/kg by analogy                                |
| Acute dermal toxicity LD50/ rabbit | No data available                                    |
| Primary routes of entry            | Skin, eyes   |
| Inhalation:                        | Harmful with N-methyl pyrrolidinone                  |
| Skin:                              | Prolonged or repeated skin contact causes irritation |
| Eyes:                              | Causes irritation.                                   |
| Ingestion (acute exposure):        | Not tested for product, could cause nausea           |
| Ingestion (chronic exposure):      | See section IV                                       |
| Carcinogenicity                    | Not classified by IARC                               |

## SECTION XII – ECOLOGICAL INFORMATION

|                               |            |
|-------------------------------|------------|
| Aquatic environment: Toxicity | No data    |
| Biodegradability              | No data    |
| Bioaccumulation               | Not tested |
| AOX:                          | Not tested |

## SECTION XIII – DISPOSAL CONSIDERATIONS

|                         |   |
|-------------------------|---|
| Product:                | Treat or dispose of waste material in accordance with all local, state/provincial and Federal requirements. |
| Contaminated packaging: | Treat or dispose of waste material in accordance with all local, state/provincial and Federal requirements. |

# SAFETY DATA SHEET

## SECTION XIV – TRANSPORT INFORMATION

|   |  |
|---|--|
| DOT   | Not regulated as a hazardous material by DOT regulations 49 CFR (part 172-180) |
| Land transport ADR/RID<br>ADR/RID Class<br>Danger code (Kemler)<br>UN-Number<br>Packaging Group<br>Hazard Label<br>Description of Goods | None Hazardous   |

## SECTION XV – REGULATORY INFORMATION

### U.S. REGULATIONS:

TSCA INVENTORY STATUS: Listed

SARA SECTION 313 (40CFR372.65): This product does contains the following toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To- know Act of 1986:

-Methyl-2-pyrrolidinone (872-50-4)

SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21):

|        |     |           |     |
|--------|-----|-----------|-----|
| ACUTE: | Yes | CHRONIC:  | Yes |
| FIRE:  | No  | REACTIVE: | No  |

## SECTION XVI – OTHER INFORMATION

*The information above is confidential and must neither be disseminated to any of our competitors nor to third parties, nor used by you, other than for compliance with OSHA. The information, data and recommendations set forth are believed to be accurate and are given in good faith; however, no warranty, expressed or implied, is made by ECORE International INC. and liability from reliance thereon is disclaimed.*

|                           |               |                          |
|---------------------------|---------------|--------------------------|
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