

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	WARNING
GHS Classification	Acute toxicity, Inhalation (Category 5), Skin irritant (Category 3) Eye irritant (Category 2A) Skin sensitizer Category 1B Reproductive toxin Category 1B Specific Target Organ Toxicity (Single Exposure) Category 3 (Respiratory system, CNS Category 2 (liver, kidney))
Hazard Statements:	H315 Causes skin irritation. H317 May cause allergic skin reaction H319 Causes serious eye irritation H319 Causes serious eye irritation H333 May be harmful if inhaled H335 May cause respiratory irritation. H360 May damage fertility or the unborn child. H373 May cause damage to liver and kidney on prolonged exposure (inhalation or ingestion)
Precautionary statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P262 Do not get in eyes, on skin, or on clothing. P261 Avoid breathing fumes or vapor. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P272 +P362 Contaminated work clothing should not be allowed out of the workplace & should be washed before reuse. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection P302+P352 If on skin, rinse thoroughly with soap and water. 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. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P333+P337+P313 If skin or eye irritation or rash occurs - get medical advice/attention. P391 Collect spillage. P501 Dispose of contents/ container to an approved waste disposal plant.
HMIS Rating	1* Health 1 Flammability 0 Reactivity B Personal Protection

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

Component	% Weight	Hazard
1-Methyl-2-pyrrolidinone (872-50-4)	<5%	H227 Combustible liquid. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H360 May damage fertility or the unborn child.
Isopropanol (67-63-0)	<3%	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Bis(2-ethylhexyl)sulfosuccinate, sodium salt (577-11-7)	<2%	H315 Causes skin irritation. H318 Causes serious eye damage. H402 Harmful to aquatic life.
Triethylamine (121-44-8)	<0.3%	H225 Highly flammable liquid and vapor. H302 Harmful if swallowed. H311 + H331 Toxic in contact with skin or if inhaled. H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation. H401 Toxic to aquatic life.
b-[3-(2-H-Benzotriazole-2yl)-4-hydroxy-5-tert.butylphenyl]propionic acid)-poly(ethylenegluco) ester mixture (104810-48-2, 104810-47-1)	<0.8%	H317 May cause allergic skin reaction

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). Prolonged exposure can cause allergic reaction. EYES: eye irritation with stinging. INHALATION: May be harmful if inhaled. Repeated overexposure by inhalation of mist may produce headache, nausea, and dizziness. 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

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.

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.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Regulation	Value
Isopropanol (67-63-0)	OSHA PEL , TWA ACGIH TWA STEL	400ppm, 980mg/m3 200ppm, 492 mg/m3 400ppm, 984 mg/m3
Triethylamine (121-44-8)	OSHA PEL (Vacated) TWA (Vacated) STEL IDLH	10ppm, 40mg/m3 15ppm, 60mg/m3, TWA 25ppm 200ppm
1-Methyl-2-pyrrolidinone (872-50-4)	US WEEL TWA CAL PEL	10ppm 1ppm, 4mg/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:	<u>Clothing suitable to prevent skin contact</u>

SECTION IX – PHYSICAL AND CHEMICAL

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 and traces of triethylamine
Skin:	Prolonged or repeated skin contact causes irritation, could cause allergic response
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.

SECTION XIV – TRANSPORT

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

SECTION XV – REGULATORY

U.S. REGULATIONS:

TSCA INVENTORY STATUS: Listed

SARA SECTION 313 (40CFR372.65):

This product 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.

Revision History

Revision	Date	Revised by	Changes
3	1/29/2021	LH	Revised Section II