

SAFETY DATA SHEET

PROTECTO-COAT EPG COMPONENT A

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PROTECTO-COAT EPG COMPONENT A

PRODUCT CODE: #PCEPGA

PRODUCT USE: Resin Component - 2 Part Epoxy Coating

MANUFACTURER

DUDICK, INC.

1818 MILLER PARKWAY

STREETSBORO, OH, 44241

330-562-1970

24 HR. EMERGENCY TELEPHONE NUMBER

CHEM-TEL (US Transportation): (800)255-3924

CHEM-TEL (International Transportation) : +01-813-248-0585

2. HAZARDS IDENTIFICATION

CLASSIFICATION:

Reproductive toxicity - Category 1B

Flammable Liquids - Category 2

Skin Irritant - Category 2

Skin Sensitizer - Category 1

Serious Eye Damage/Eye Irritation - Category 2

GHS LABEL ELEMENTS:



SIGNAL WORD: Danger

HAZARD STATEMENTS:

H360 May damage fertility or the unborn child

H225 Highly Flammable liquid and vapor

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS :

P370+P378 In case of fire: Use foam, dry chemical, or carbon dioxide for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local, regional, and federal regulations.

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

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P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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 ON HAZARDOUS INGREDIENTS

Chemical Name	Weight %	CAS Number
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	15% to 25%	25068-38-6
4-Methyl-2-pentanone	15% to 25%	108-10-1
1-methoxy-2-propanol	0% to 5%	107-98-2
Xylene - Mixed isomers	0% to 5%	1330-20-7

No further information available for this product.

4. FIRST AID MEASURES

EYES: Hold open eyelids and flush with copious amounts of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.

SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

INGESTION: Do not induce vomiting. Rinse mouth out and give plenty of water. Never give anything by mouth to an unconscious person. Consult physician.

INHALATION: Consult a physician after significant exposure. Move person to fresh air. If unconscious place in recovery position and seek medical advice.

NOTES TO PHYSICIAN: No data available for this product.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Alcohol resistant foam; Carbon Dioxide (CO₂); dry chemical; dry sand; use water to keep containers cool.

UNSUITABLE EXTINGUISHING MEDIA: No data available for this product.

SPECIFIC HAZARDS IN CASE OF FIRE: Releases flammable vapors below normal ambient temperatures. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Flammable vapors may be heavier than air and travel long distances along the ground before igniting and flashing back to vapor source. Move containers from fire area if it can be done without risk. Cool containers with flooding quantities of water until well after fire is out.

Product is not considered a fire hazard, but will burn if ignited. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTION FOR FIRE FIGHTERS: Wear self-contained breathing apparatus (SCBA) in positive pressure mode and full protective clothing. Evacuate area.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear self-contained breathing apparatus and full protective clothing. Shut off ignition sources. No flares, smoking or flames in the area.

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ENVIRONMENTAL PRECAUTIONS: Stop leak if you can do so without risk. Use water spray to reduce vapors. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Use non-sparking tools. Flush area with water. Prevent from entering into soil, ditches, sewers, waterways, and/or groundwater.

METHOD AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Eliminate all sources of ignition. All equipment used when handling this product must be grounded. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. Dike large spills and place materials in salvage containers. Water spray may reduce vapor; but may not prevent ignition in closed spaces.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Use only non-sparking tools. Extinguish all ignition sources. Containers must be properly grounded before beginning transfer. Handle empty containers with care; vapor/residue may be flammable. This material may attack some forms of plastics, rubbers, and coatings. Wear recommended personal protective equipment. Observe precautions pertaining to confined space entry. Do not breathe vapors or spray mist.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: Store in a cool, dry, well ventilated, flammable liquid storage area.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

EXPOSURE LIMITS

Components	CAS	Limits
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	25068-38-6	None established.
4-Methyl-2-pentanone	108-10-1	ACGIH TLV; TWA 20 ppm, STEL 75 ppm NIOSH REL; TWA 50 ppm, ST 75 ppm
1-methoxy-2-propanol	107-98-2	ACGIH TLV; TWA - 50 ppm ACGIH TLV; STEL - 100 ppm
Xylene - Mixed isomers	1330-20-7	OSHA TWA - 100 ppm OSHA STEL - 150 ppm

ENGINEERING CONTROLS: Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

EYES PROTECTION: Splash-proof chemical goggles.

SKIN PROTECTION: Impervious clothing. Rubber or plastic boots.

Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Hand protection: Use chemical resistant gloves. Consult glove manufacturer for recommendations.

WORK HYGIENIC PRACTICES: Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating. Wash contaminated clothing before reuse. Eye wash stations and emergency showers should be available.

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OTHER USE PRECAUTIONS: No data available for this product.

COMMENTS: No data available for this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Viscous liquid

COLOR: Varies

FLASH POINT AND METHOD: 14.00 CC

AUTO-IGNITION TEMPERATURE: Not Determined.

BOILING POINT/RANGE: 117.0 C

MELTING POINT: Not Determined.

VAPOUR PRESSURE: Not determined.

VAPOUR DENSITY: Heavier than air.

SOLUBILITY: Not determined.

ODOR/THRESHOLD: Organic solvent

LOWER / UPPER FLAMMABLE LIMITS: 1.1 TO 8.0

DENSITY: 1.3252

EVAPORATION RATE: Slower than ether.

PARTITION COEFFICIENT: Not determined.

pH: Not Applicable.

DECOMPOSITION TEMPERATURE: Not determined.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: This product is stable under normal storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur under normal conditions.

CONDITIONS TO AVOID: Avoid heat, flame, sparks, and other sources of ignition.

MATERIALS TO AVOID: Avoid contact with oxidizing materials. Avoid contact with: Acids, Bases. Avoid unintended contact with amines.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal conditions.

Incomplete combustion may generate carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE EFFECTS:

EYE CONTACT: May cause eye irritation. Corneal injury is unlikely.

SKIN CONTACT: Has caused allergic skin reactions in humans. Contains component(s) which have demonstrated the potential for contact allergy in mice.

Prolonged contact may cause skin irritation with local redness. Repeated contact may cause skin irritation with local redness.

INHALATION: This product is of low volatility and not expected to be a major inhalation hazard.

INGESTION: Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

TARGET ORGAN: No data available for this product.

CHRONIC EFFECTS: 4-Methyl-2-pentanone is listed as a Group B possible carcinogen by IARC.

TOXICITY VALUES: Ethyl acetate:

LD50 Oral - Rat - 5,620 mg/kg

LC50 Inhalation - Mouse - 2 h - 45,000 mg/m³

LD50 Dermal - Rabbit - > 18,000 mg/kg

4-Methyl-2-pentanone:

LD50 Oral Rat 2,080 mg/kg

LD50 Oral Mouse 1,900 mg/kg

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LD50 Oral Guinea pig 1,600 mg/kg

Xylene:

LD50 Oral Rat 4,300 mg/kg

LC50 Inhalation Rat 5000 ppm/4 h

LD50 Dermal Rabbit > 1,700 mg/kg

Ethylbenzene:

LD50 Oral Rat 3,500 mg/kg

LC50 Inhalation Rat 55 mg/l/2 h

LC50 Inhalation Rabbit 4000 ppm/4 h

LD50 Dermal Rabbit > 5,000 mg/kg

Not determined

12. ECOLOGICAL INFORMATION

PERSISTENCE AND DEGRADABILITY:

Not determined.

BIO-ACCUMULATIVE POTENTIAL:

No data available for this product.

MOBILITY IN SOIL:

Not determined.

OTHER ADVERSE EFFECTS:

Not known.

ECOTOXICOLOGICAL OTHER INFORMATION:

No data available for this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of according to local, state, and federal regulations through a licensed disposal facility.

14. TRANSPORT INFORMATION

UN NUMBER: 1866

UN PROPER SHIPPING NAME: Resin solution.

TRANSPORT HAZARD CLASS:

3

TRANSPORT HAZARD SUBCLASS:

Not applicable.

PACKING GROUP: II

MARINE POLLUTANT Y/N:

No

SPECIAL PRE-CAUTIONS: None

15. REGULATORY INFORMATION

U.S. REGULATIONS:

All components of this product are listed on or exempt from the TSCA Inventory.

U.S. SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: No

PRESSURE GENERATING: No

REACTIVITY: No

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ACUTE: Yes
CHRONIC: Yes

313 REPORTABLE INGREDIENTS:
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Chemical Name	Weight %	CAS
4-Methyl-2-pentanone	15% to 20%	108-10-1
Xylene - Mixed isomers	0% to 5%	1330-20-7

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: No reportable components

STATE REGULATIONS:

The following chemicals are California Proposition 65 reportable:

Chemical Name	CAS
4-Methyl-2-pentanone	108-10-1
Xylene - Mixed isomers	1330-20-7
Methanol	67-56-1

Massachusetts Right To Know Components

Chemical Name	CAS
4-Methyl-2-pentanone	108-10-1
Xylene - Mixed isomers	1330-20-7

Pennsylvania Right To Know Components

Chemical Name	CAS
4-Methyl-2-pentanone	108-10-1
Xylene - Mixed isomers	1330-20-7

New Jersey Right To Know Components

Chemical Name	CAS
4-Methyl-2-pentanone	108-10-1
Xylene - Mixed isomers	1330-20-7

OTHER GOVT. REGULATIONS: No other information available

16. OTHER INFORMATION

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