

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**COMPANY ADDRESS:**

Duroplastic Technologies
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EMERGENCY TELEPHONE NUMBERS:

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PRODUCT NAME

: DP101:DP329

CHEMICAL NAME

: EPOXY SYSTEM

PRODUCT USE

: hand laminating, Infusion, wood saturation, river tables, carbon laminates and

surface coatings

SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

HEALTH HAZARDS: May be harmful if swallowed, absorbed through skin, or inhaled. Mildly irritating to the eyes and skin.

PHYSICAL HAZARDS: Can decompose at high temperatures releasing toxic gases.

ENVIRONMENTAL HAZARDS: Highly toxic to bees, birds and aquatic invertebrates. Keep out of water ways.

**SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS**

COMPONENT	PERCENTAGE
Bisphenol A- epoxy resin	50-100%
Diglicidylether of Bisphenol-F	2.5-10 %
C12/C14 Alkylglycidylether	2.5-10%

SECTION 4 - FIRST AID MEASURES

First Aid responders should use protective equipment in Section 8 if there is a potential for exposure to product.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If symptom persist, consult a doctor

IF INHALED: Move person to fresh air, if person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a doctor for further treatment advice.

Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: No specific antidote, treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal	

FLASHPOINT: 126°C

EXTINGUISHING MEDIA: Use foam, dry chemical, or water spray.

FIRE AND EXPLOSION HAZARD: Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.

FIRE FIGHTING INSTRUCTIONS: Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff. Minimize use of water to prevent environmental contamination

FIRE FIGHTING EQUIPMENT: Self-contained breathing apparatus with full face piece.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILLS OR LEAKS: Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

SMALL SPILL: Absorb small spills on sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

LARGE SPILL: Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, and scrape up for disposal. After removal, clean contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container.

This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Minimize use of water to prevent environmental contamination

SECTION 7 - HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

HANDLING: Use only in a well-ventilated area. Minimize dust generation and accumulation.

STORAGE: Keep container closed when not in use. Keep away from food, feed and drinking water. Store in a well ventilated dry place away from heat. Store above 32 F.

Wear proper safety equipment specified in Section 8 when mixing, loading or otherwise handling concentrate.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS: this material does not contain any relevant quantities of components with critical values that have to be monitored

ENGINEERING CONTROLS: Proper ventilation is required when handling or using this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION - Safety goggles or glasses with side shields.

CLOTHING - Long-sleeved shirt and long pants, Chemical-resistant footwear plus socks

GLOVES - Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC), viton

RESPIRATOR – Not required when handled under normal conditions. When handling in enclosed areas with inadequate ventilation, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Discard clothing and other absorbent materials that have been heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white opaque liquid
Odor:	Weak
pH:	5.9 – 7.9
Melting Point:	Not applicable
Ignition Point:	460°C
Flash Point:	126°C
Evaporation Rate:	No data
Flammability:	Not flammable
Flammability Limits:	Not applicable
Vapor Pressure:	10Pa @ 20°C
Vapor Density:	Not applicable
Density:	1.13 g/ml *
Solubility:	Not miscible or difficult to mix
Partition Coefficient:	log Pow = 0.57 @ 25°C (Imidacloprid)

Auto-ignition Temperature: No data
Decomposition Temperature: No data
Viscosity: 3915 mPa/s @ 20°C
*Listed density is an approximate value and does not necessarily represent that of a specific batch.

SECTION 10 - STABILITY AND REACTIVITY

PRODUCT REACTIVITY: Non-reactive
CHEMICAL STABILITY: Stable under normal conditions. No decomposition if used according to specifications
HAZARDOUS DECOMPOSITION PRODUCTS: Danger of toxic pyrolysis products

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity data from similar formulation

ACUTE TOXICITY:

Oral LD ₅₀ (rat)	- >1,100 mg/Kg
Dermal LD ₅₀ (rat)	- >2,000 mg/Kg
Inhalation LC ₅₀ (rat)	- >2.0 mg/L
Eye Irritation (rabbit)	- Irritant effect
Skin Irritation (rabbit)	- Irritant to skin and mucous membranes
Sensitization (guinea pig)	- Possible through skin contact

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: This product is highly toxic to birds and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Cover or incorporate spilled treated seeds.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

FISH TOXICITY: (Technical)

96 hour LC ₅₀ , Rainbow trout	- 211 mg/L
96 hour LC ₅₀ , Bluegill	- unknown

AVIAN TOXICITY: (Technical)

Oral LC ₅₀ , Bobwhite quail	- 1,500 ppm
Oral LC ₅₀ , Mallard duck	- 4,700 ppm

BEE TOXICITY:

Contact LD₅₀ – Highly toxic!
Refer to product label for specific directions on pollinator protection.

SECTION 13 - DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by storage or disposal.

WASTE: Pesticide wastes are toxic. Dispose of in accordance with applicable municipal procedure regulations.

CONTAINER: Non-refillable containers: Do not reuse or refill this container. Offer for recycling, if available.

SECTION 14 - TRANSPORT INFORMATION

SHIPPING DESCRIPTION: Not regulated by DOT for ground transport

TRANSPORT HAZARD CLASS:	N/A
UN NUMBER:	N/A
DOT PACKING GROUP:	N/A

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: Candidate substances for authorization under the Regulation (EC) 1907/2006 (REACH): Non-applicable Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable Active substances not included in Annex I under Regulation (EU) No 528/2012: Non-applicable REGULATION (EU) No 689/2012, in relation to the import and export of hazardous chemical products: Non- applicable

SECTION 16 - OTHER INFORMATION

HMIS HAZARD RATINGS	HEALTH	1
	FLAMMABILITY	1
	PHYSICAL HAZARD	1
	4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal	

REVISED DATE: May 2023