



1. PRODUCT AND COMPANY IDENTIFICATION

Trade name : Dural Fast Set Epoxy Gel (1:1) Part A
Product code : TD5323115X
Company : Euclid Chemical Company
19218 Redwood Road
Cleveland, OH 44110
Telephone : 1-800-321-7628
Emergency Phone: : U.S. only: 1-800-255-3924
International Users Call Collect: 1-813-248-0585

2. HAZARDS IDENTIFICATION

Emergency Overview

Light Gray. Liquid. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : May cause slight irritation to the respiratory system.

Eyes : Slightly irritating.

Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.

Skin : May cause sensitization.

Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects : May cause sensitization by contact. Prolonged or repeated contact/exposure to aromatic petroleum distillates may cause defatting, drying, and irritation of the skin, dermatitis, and central nervous system (CNS) effects. Carbon black is classified by IARC to be a known animal carcinogen and a possible human carcinogen (Group 2B). Carbon black is encapsulated by resin and not expected to have adverse effects unless made airborne. Prolonged or repeated exposure to epoxy resin can cause irritation to skin, eyes, skin sensitization, temporary eye injury. Certain epoxy resins are reported to be mutagenic in some laboratory tests. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Target Organs: Skin, Eye, Ingestion

3. PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Bisphenol A Polyglycidyl Ether Resin	25068-38-6	> 60.0
Acrylate Ester	15625-89-5	7.0 - 13.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	5.0 - 10.0
Siloxanes and Silicones	67762-90-7	3.0 - 7.0
Hydroquinone (HQ)	123-31-9	- <0.1

4. FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Eye contact : Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.

Skin contact : Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.



5. FIRE FIGHTING MEASURES

Flash point : > 200 °F, > 93 °C

Method : Setaflash Closed Cup

Lower explosion limit : Not available.

Upper explosion limit : Not available.

Autoignition temperature : Not available.

Extinguishing media : This product is not expected to burn under normal conditions of use.

Hazardous combustion products : Smoke, fumes.

Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

6. ACCIDENTAL RELEASE MEASURES

Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

7. HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated warehouse location above freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection equipment

Respiratory protection : Not required under normal conditions of use.

Hand protection : Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.

Eye protection : Wear appropriate eye protection.

Skin and body protection : Not required.

Protective measures : Use professional judgment in the selection, care, and use. Other equipment not normally required.

Engineering measures : General ventilation is sufficient.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA:	0.1 mg/m ³	Respirable.
		OSHA TWA:	0.3 mg/m ³	Total dust.
		OSHA PEL:	15 mg/m ³	Total dust.
		OSHA PEL:	5 mg/m ³	Respirable fraction.
		ACGIH TWA:	0.025 mg/m ³	Respirable fraction.
Hydroquinone (HQ)	123-31-9	ACGIH TWA:	2 mg/m ³	
		OSHA PEL:	2 mg/m ³	



9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid	Melting point/range : Not available.
Color : Light Gray	Freezing point : Not available.
Odor : Epoxy Slight	Boiling point/range : Not available.
pH : Not available.	Water solubility : Miscible
Vapour pressure : Not available.	Specific Gravity : 1.13
Vapor density : Heavier than air	% Volatile Weight : 0.1 %

10. REACTIVITY/STABILITY

Substances to avoid : Acids and bases.Amines. Epoxy curing agents.

11. TOXICOLOGICAL INFORMATION

Hydroquinone (HQ), CAS-No.: 123-31-9
Acute oral toxicity (LD-50 oral) 320 mg/kg (Rat)

12. DISPOSAL CONSIDERATIONS

Disposal Method : Not regulated under RCRA. Dispose of in compliance with state and local regulations. Do not incinerate.

13. REGULATORY INFORMATION

North American Inventories:

All components are listed or exempt from the TSCA inventory.

This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations:

SARA 313 Components : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard

Chronic Health Hazard

OSHA Hazardous Components :

Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

Hydroquinone (HQ) 123-31-9

OSHA Status: Considered hazardous based on the following criteria:

Irritant

Carcinogen

OSHA Flammability : Not Regulated

Regulatory VOC (less water and exempt solvent): 1 g/l

VOC Method 310 : 0 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:

Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

U.S. State Regulations:

MASS RTK Components :

Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

Hydroquinone (HQ) 123-31-9

Penn RTK Components :

Bisphenol A Polyglycidyl Ether Resin 25068-38-6

Acrylate Ester 15625-89-5

Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

Siloxanes and Silicones 67762-90-7

NJ RTK Components :

Bisphenol A Polyglycidyl Ether Resin 25068-38-6

Acrylate Ester 15625-89-5

Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

Siloxanes and Silicones 67762-90-7

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

Carbon Black 1333-86-4



14. OTHER INFORMATION

HMIS Rating :

Health 2

Flammability 1

Reactivity 0

PPE

0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

LEGEND

ACGIH	American Conference of Governmental Hygienists	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	Department of Transportation	RTK	Right To Know
DSL	Domestic Substance List	SARA	Superfund Amendments and Reauthorization Act
EPA	Environmental Protection Agency	STEL	Short Term Exposure Limit
HMIS	Hazardous Materials Information System	TLV	Threshold Limit Value
IARC	International Agency for Research on Cancer	TSCA	Toxic Substances Control Act
MSHA	Mine Safety Health Administration	TWA	Time Weighted Average
NDSL	Non-Domestic Substance List	V	Volume
NIOSH	National Institute for Occupational Safety and Health	VOC	Volatile Organic Compound
NTP	National Toxicology Program	WHMIS	Workplace Hazardous Materials Information System

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