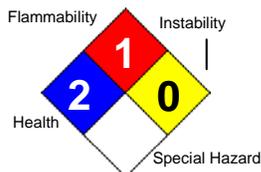


Epoxy.com Product #694 Epoxy Color Packs



HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PPE	



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1. Product and Company Identification

Product Code:	EPOXY CP-000		
Product Name:	Epoxy Color Packs - ECP		
Manufacturer Information			
Company Name:	Epoxy Systems, Inc. 20774 W Pennsylvania Ave Dunnellon, FL 34431		
Phone Number:	+1 (352) 489-1666		
Emergency Contact:	PERS (USA)	(800) 638253	
Alternate Emergency Contact:	PERS (International)	+1 (801) 629 0667	

2. Hazards Identification

GHS Classification	Placard	Key word	GHS hazard phrase
Skin Corrosion/Irritation, Category 2	Exclamation point	Warning	Causes skin irritation
Skin Sensitization, Category 1	Exclamation point	Warning	May cause an allergic skin reaction
Serious Eye Damage/Eye Irritation, Category 2	Exclamation point	Warning	Causes serious eye irritation
Aquatic Toxicity (Chronic), Category 2	Pollution		Toxic to aquatic life with long lasting effects

GHS Hazard Phrases

- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H411 - Toxic to aquatic life with long lasting effects.

GHS Precaution Phrases

- P202 - Do not handle until all safety precautions have been read and understood.
- P262 - Do not get in eyes, on skin, or on clothing.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
- P273 - Avoid release to the environment.

GHS Response Phrases

- P302+352 - IF ON SKIN: Wash with plenty of soap and water. P362 - Take off contaminated clothing. P333+313 - If skin irritation or rash occurs, seek medical advice/attention. P363 - Wash contaminated clothing before reuse.
- P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P314 - Get medical attention/advice if you feel unwell.
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P330 - Rinse mouth. P310 - Immediately call a POISON CENTER or doctor/physician.
- P391 - Collect spillage.

GHS Storage and Disposal Phrases

- P404 - Store in a closed container.
- P501 - Dispose of contents/container to local, state, and federal authority requirements.

Potential Health Effects (Acute and Chronic)

- Can cause severe eye irritation.
- Causes skin irritation.
- May cause allergic skin reaction.
- May cause sensitization by skin contact.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Bisphenol-a based epoxy resin	25068-38-6	45 - 75 %
2. Titanium dioxide	13463-67-7	20 - 50 %
3. Iron oxide (Fe2O3)	1309-37-1	0 - 25 %
4. C.I. Pigment Yellow 42	51274-00-1	0 - 25 %
5. Carbon black	1333-86-4	0 - 25 %
6. Oxirane, Mono.-(C12-14-alkyloxy)methyl. derivs.	68609-97-2	1.0 - 10 %

4. First Aid Measures

Emergency and First Aid Procedures

In Case of Inhalation

- Remove person to fresh air and keep comfortable for breathing.
- If experiencing respiratory symptoms: Get medical advice/attention.

In Case of Skin Contact

- Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact

- Hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

In Case of Ingestion

- IF SWALLOWED: Do not induce vomiting. Rinse mouth with water. Get medical attention immediately.

Signs and Symptoms Of Exposure

- No data available.

5. Fire Fighting Measures

Flash Pt:	> 200.00 F	Method Used: Closed Cup
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	No data available.	

Fire Fighting Instructions

- Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Containers can build up pressure if exposed to heat (fire).

Flammable Properties and Hazards

- Product is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat.

Hazardous Combustion Products

- Carbon monoxide, Phenolics. Carbon dioxide.

Suitable Extinguishing Media

- Use water spray, foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media

- None Known.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Clean up spills immediately, observing precautions in the Protective Equipment section. Absorb with sand or vermiculite and place in closed containers for disposal.

Protective Precautions, Protective Equipment and Emergency Procedures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. Avoid release to the environment. Water polluting material. May be hazardous to the environment if released in large quantities.

7. Handling and Storage

Hazard Label Information:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Store away from incompatible material. Store in a closed container.

Precautions To Be Taken in Handling

Do not get in eyes or on skin and clothing. Do not inhale vapors. Provide adequate ventilation. Wear all personal protection required in section 8.

Precautions To Be Taken in Storing

Store in a cool, dry place. Keep container closed when not in use.

Other Precautions

Read product SDS and all labels before use.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. Bisphenol-a based epoxy resin	25068-38-6	No data.	No data.	No data.
2. Titanium dioxide	13463-67-7	15 (dust) mg/m3	10 mg/m3	No data.
3. Iron oxide (Fe2O3)	1309-37-1	10 mg/m3	5 mg/m3 (dust & fume)	No data.
4. C.I. Pigment Yellow 42	51274-00-1	No data.	No data.	No data.
5. Carbon black	1333-86-4	3.5 mg/m3	3.5 mg/m3	No data.
6. Oxirane, Mono.-(C12-14-alkyloxy)methyl). derivs.	68609-97-2	No data.	No data.	No data.

Protective Equipment Summary - Hazard Label Information:

Wear all personal protection required

Respiratory Equipment (Specify Type)

Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Eye Protection

Safety glasses, or goggles.

Protective Gloves

Chemical resistant gloves. Nitrile rubber and Neoprene are recommended.

Other Protective Clothing

Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices

Wash thoroughly after handling. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

Water polluting material. May be hazardous to the environment if released in large quantities. Avoid runoff into storm sewers and ditches which lead to waterways.

9. Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
Melting Point:	No data.
Boiling Point:	> 300.00 C
Autoignition Pt:	No data.
Flash Pt:	> 200.00 F Method Used: Closed Cup
Specific Gravity (Water = 1):	~ 1.641 - 1.765
Density:	~ 13.69 - 14.72
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate:	No data.
Solubility in Water:	No data.
Solubility Notes	Practically insoluble.
Percent Volatile:	N.A.
Appearance and Odor	Epoxy odor. Liquid. Various Colors.

10. Stability and Reactivity

Stability:	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
Reactivity	Avoid: acids, alkalis, oxidizing agents.
Conditions To Avoid - Instability	Extreme temperatures.
Incompatibility - Materials To Avoid	Avoid strong acids, bases, and oxidizing agents. Avoid uncontrolled contact with amines.
Hazardous Decomposition Or Byproducts	Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide.
Possibility of Hazardous Polymerization:	Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>
Conditions To Avoid - Hazardous Reactions	Will not undergo hazardous polymerization in normal storage conditions.

11. Toxicological Information

Toxicological Information

May cause sensitization by skin contact.

Chronic Toxicological Effects

Skin sensitization.

Irritation or Corrosion

Irritating to eyes. Skin Irritation.

Symptoms related to Toxicological Characteristics

Prolonged or repeated contact may cause skin irritation with local redness. May cause allergic reactions. May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray. May cause skin sensitization.

Sensitization

Skin sensitization.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Bisphenol-a based epoxy resin	25068-38-6	n.a.	n.a.	n.a.	n.a.
2. Titanium dioxide	13463-67-7	n.a.	2B	A4	n.a.
3. Iron oxide (Fe2O3)	1309-37-1	n.a.	3	A4	n.a.
4. C.I. Pigment Yellow 42	51274-00-1	n.a.	n.a.	n.a.	n.a.
5. Carbon black	1333-86-4	n.a.	2B	A4	n.a.
6. Oxirane, Mono.(.(C12-14-alkyloxy)methyl). derivs.	68609-97-2	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information

Avoid release to the environment. May be hazardous to the environment if released in large quantities.

Results of PBT and vPvB assessment

Not reported.

Persistence and Degradability

Not readily biodegradable.

Bioaccumulative Potential

No data available.

Mobility in Soil

not reported, unknown.

13. Disposal Considerations

Waste Disposal Method

Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name

(Non-Bulk)
 Not Regulated.

(Bulk)
 PROPER SHIPPING NAME: UN3082, ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE, LIQUID, n.o.s. (EPOXY RESIN) MARINE POLLUTANT.

NOTE: Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packagings transported by motor vehicles, rail cars or aircraft.

Precautionary Label

Avoid skin and eye contact. May cause eye and skin irritation. May cause skin sensitization. Wear protective equipment and clothing. Always read MSDS/SDS before use.

AIR TRANSPORT (ICAO/IATA)**ICAO/IATA Shipping Name**

(Non-Bulk)
Not Regulated.

(Bulk)

PROPER SHIPPING NAME: UN3082, ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, n.o.s. (EPOXY RESIN) MARINE POLLUTANT.

NOTE: Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packagings transported by motor vehicles, rail cars or aircraft.

MARINE TRANSPORT (IMDG/IMO)**IMDG/IMO Shipping Name**

PROPER SHIPPING NAME: UN3082, ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, n.o.s. (EPOXY RESIN) MARINE POLLUTANT.

Note: The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. Shipment compliance is the responsibility of the person offering the product for transport.

IMDG EMS Number:

FA-SF

Marine Pollutant:

Yes

15. Regulatory Information

Regulatory Information

SARA 302 Extremely Hazardous Substances: None.

SARA Section 311/312: Acute, Chronic Health Hazard.

SARA 313 Toxic Chemicals: None.

CERCLA Reportable Quantity: None.

16. Other Information

CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

Company Policy or Disclaimer

The information contained in this MSDS is taken from sources believed to be accurate as of the date hereof; however Epoxy Systems, Inc. makes no expressed or implied warranty in respect to the accuracy of the information or the suitability of the recommendations, and assumes no liabilities to any user thereof.

Revision Date:

11/09/2015