

## Safety Data Sheet according to GHS

Printing date 30.12.2022

Revision: 30.12.2022

### 1 Identification

- **Product identifier**
- **Trade name:** EPOXY SL COLORS
- **Article number:** I-6019
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Treasure Island Industrial Corp.  
No.2, 3rd Ave. S. Osmena Blvd.  
North Reclamation Area  
Cebu City 6000  
PHILIPPINES  
doo@treasureisland.com.ph
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:** During normal opening times: +63 32 232 05 13

### 2 Hazard identification

- **Classification of the substance or mixture**


 Flam. Liq. 3      H226 Flammable liquid and vapour.
 

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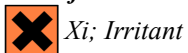

 Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
 

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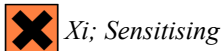

 Skin Irrit. 2      H315 Causes skin irritation.  
 Eye Irritation 2A      H319 Causes serious eye irritation.  
 Skin Sens. 1      H317 May cause an allergic skin reaction.  
 Acute Tox. 5      H333 May be harmful if inhaled.  
 I-6019
 

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- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**


 R36/38: Irritating to eyes and skin.
 

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 R43: May cause sensitisation by skin contact.
 

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*N; Dangerous for the environment**R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**R10: Flammable.***· Information concerning particular hazards for human and environment:***The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.***· Classification system:***The classification is according to the latest editions of the EU-lists, and extended by company and literature data.***· Label elements****· Labelling according to EU guidelines:***The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.***· Code letter and hazard designation of product:***Xi Irritant**N Dangerous for the environment***· Hazard-determining components of labelling:***Diglycidyl ether of bisphenol A***· Risk phrases:***10 Flammable.**36/38 Irritating to eyes and skin.**43 May cause sensitisation by skin contact.**51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.***· Safety phrases:***2 Keep out of the reach of children.**24/25 Avoid contact with skin and eyes.**29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.**37 Wear suitable gloves.**46 If swallowed, seek medical advice immediately and show this container or label.***· Special labelling of certain preparations:***Contains epoxy constituents. See information supplied by the manufacturer.***· Other hazards****· Results of PBT and vPvB assessment****· PBT:** *Not applicable.***· vPvB:** *Not applicable.*

### 3 Composition / information on ingredients

**· Chemical characterisation: Mixtures****· Description:** *Mixture of substances listed below with nonhazardous additions.*

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**Dangerous components:**

CAS: 25068-38-6	Diglycidyl ether of bisphenol A  Xi R36/38  Xi R43  N R51/53  Aquatic Chronic 2, H411  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	
CAS: 1330-20-7	Dimethylbenzene  Xn R20/21  Xi R38 R10  Flam. Liq. 3, H226  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315 Acute Tox. 5, H303	
	Disazopyrazolone Acute Tox. 5, H303	
CAS: 111-76-2	Normal Butyl Cellusolve  Xn R20/21/22  Xi R36/38  Flam. Liq. 3, H226  Eye Dam. 1, H318  Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 123-86-4	Butyl Ethanoate  Xn R22  Xi R36/38  F+ R12 R67  Flam. Liq. 3, H226  Acute Tox. 3, H301  Skin Irrit. 2, H315; Eye Irritation 2A, H319; STOT SE 3, H336	
CAS: 556-67-2	octamethylcyclotetrasiloxane  Xn R62 R53 Repr. Cat. 3  Flam. Liq. 3, H226  Repr. 2, H361  Aquatic Chronic 1, H410	

**SVHC**

CAS: 556-67-2 octamethylcyclotetrasiloxane

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

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### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.

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*Open and handle receptacle with care.*

*Prevent formation of aerosols.*

**· Information about fire - and explosion protection:**

*Keep ignition sources away - Do not smoke.*

*Protect against electrostatic charges.*

**· Conditions for safe storage, including any incompatibilities**

**· Storage:**

**· Requirements to be met by storerooms and receptacles:** *No special requirements.*

**· Information about storage in one common storage facility:** *Not required.*

**· Further information about storage conditions:** *Keep container tightly sealed.*

**· Specific end use(s)** *No further relevant information available.*

### 8 Exposure controls / personal protection

**· Additional information about design of technical facilities:** *No further data; see item 7.*

**· Control parameters**

**· Ingredients with limit values that require monitoring at the workplace:**

**CAS: 1330-20-7 Dimethylbenzene**

PEL (USA) Long-term value: 435 mg/m<sup>3</sup>, 100 ppm

REL (USA) Short-term value: 655 mg/m<sup>3</sup>, 150 ppm

Long-term value: 435 mg/m<sup>3</sup>, 100 ppm

TLV (USA) Short-term value: (150) ppm

Long-term value: (100) NIC-20 ppm

BEI, A4

**CAS: 111-76-2 Normal Butyl Cellusolve**

PEL (USA) Long-term value: 240 mg/m<sup>3</sup>, 50 ppm

Skin

REL (USA) Long-term value: 24 mg/m<sup>3</sup>, 5 ppm

Skin

TLV (USA) Long-term value: 20 ppm

BEI, A3

**CAS: 123-86-4 Butyl Ethanoate**

PEL (USA) Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

REL (USA) Short-term value: 950 mg/m<sup>3</sup>, 200 ppm

Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

TLV (USA) Short-term value: 150 ppm

Long-term value: 50 ppm

**CAS: 556-67-2 octamethylcyclotetrasiloxane**

WEEL (USA) Long-term value: 10\* ppm

\*OARS WEEL

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**· Ingredients with biological limit values:**
**CAS: 1330-20-7 Dimethylbenzene**

<i>BEI (USA)</i>	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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**CAS: 111-76-2 Normal Butyl Cellusolve**

<i>BEI (USA)</i>	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid (BAA) (with hydrolysis)
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· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

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### 9 Physical and chemical properties

 · **Information on basic physical and chemical properties**

 · **General Information**

 · **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

 · **pH-value:** Not determined.

 · **Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	137-143 °C

 · **Flash point:** 23 - 60 °C

 · **Flammability (solid, gas):** Not applicable.

 · **Ignition temperature:** 500 °C

 · **Decomposition temperature:** Not determined.

 · **Auto-ignition temperature:** Product is not selfigniting.

 · **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

 · **Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

 · **Vapour pressure:** Not determined.

 · **Density at 20 °C:** 1.31 g/cm<sup>3</sup>

 · **Relative density** Not determined.

 · **Vapour density** Not determined.

 · **Evaporation rate** Not determined.

 · **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

 · **Partition coefficient: n-octanol/water:** Not determined.

 · **Viscosity:**

<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.

 · **Solvent content:**

<b>Organic solvents:</b>	10.9 %
<b>Water:</b>	0 %
<b>VOC (EC)</b>	10.90 %

 · **Solids content:** 87.2 %

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 · **Other information** *No further relevant information available.*

### 10 Stability and reactivity

- **Reactivity** *No further relevant information available.*
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

 · **LD/LC50 values relevant for classification:**
**CAS: 1330-20-7 Dimethylbenzene**

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

**Disazopyrazolone**

Oral	LD50	>2,000 mg/kg (rat)
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**CAS: 111-76-2 Normal Butyl Cellusolve**

Oral	LD50	1,200 mg/kg (ATE)
		1,480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)

- **Primary irritant effect:**
- **Skin corrosion/irritation** *Irritant to skin and mucous membranes.*
- **Serious eye damage/irritation** *Irritating effect.*
- **Respiratory or skin sensitisation** *Sensitisation possible through skin contact.*
- **Additional toxicological information:**  
*The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:*  
*Irritant*

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Mobility in soil** *No further relevant information available.*

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- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
*Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
 Do not allow product to reach ground water, water course or sewage system.  
 Danger to drinking water if even small quantities leak into the ground.  
 Also poisonous for fish and plankton in water bodies.  
 Toxic for aquatic organisms*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
*Must not be disposed together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>   | UN1993  |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul> | 1993 FLAMMABLE LIQUID, N.O.S. (XYLENES, Normal Butyl Cellusolve), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (XYLENES, Normal Butyl Cellusolve), MARINE POLLUTANT<br>FLAMMABLE LIQUID, N.O.S. (XYLENES, Normal Butyl Cellusolve)    |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>ADR, IMDG</b></li> </ul>                                      | <div style="display: flex; align-items: center; gap: 10px;">   </div> |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> </ul>   | 3 Flammable liquids.  |

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· <b>Label</b>	3
· <b>IATA</b>	
	
· <b>Class</b>	3 Flammable liquids.
· <b>Label</b>	3
· <b>Packing group</b>	
· <b>ADR, IMDG, IATA</b>	III
· <b>Environmental hazards:</b>	Product contains environmentally hazardous substances: Diglycidyl ether of bisphenol A
· <b>Marine pollutant:</b>	No Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>Special precautions for user</b>	Warning: Flammable liquids.
· <b>Hazard identification number (Kemler code):</b>	30
· <b>EMS Number:</b>	F-E, <u>S-E</u>
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (XYLENES, NORMAL BUTYL CELLUSOLVE), 3, III, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· <b>Philippines Inventory of Chemicals and Chemical Substances</b>	
CAS: 25068-38-6	Diglycidyl ether of bisphenol A
CAS: 14807-96-6	Hydrated Magnesium Silicate

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CAS: 1330-20-7	Dimethylbenzene
	Disazopyrazolone
CAS: 111-76-2	Normal Butyl Cellusolve
CAS: 7732-18-5	water, distilled, conductivity or of similar purity
CAS: 1318-93-0	Montmorillonite
CAS: 108-65-6	2-methoxy-1-methylethyl acetate
CAS: 123-86-4	Butyl Ethanoate
CAS: 100-41-4	ethylbenzene
CAS: 51274-00-1	Iron Hydroxide Oxide
CAS: 556-67-2	octamethylcyclotetrasiloxane
CAS: 78-83-1	butyl alcohol (except tert-butyl alcohol)
CAS: 14808-60-7	Silicon Dioxide

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
   E2 Hazardous to the Aquatic Environment  
   P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**

 · **Substances of very high concern (SVHC) according to REACH, Article 57**

CAS: 556-67-2	octamethylcyclotetrasiloxane
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- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H303 May be harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H361 Suspected of damaging fertility or the unborn child.
- H410 Very toxic to aquatic life with long lasting effects.

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- H411 Toxic to aquatic life with long lasting effects.
- R10 Flammable.
- R12 Extremely flammable.
- R20/21 Harmful by inhalation and in contact with skin.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R22 Harmful if swallowed.
- R36/38 Irritating to eyes and skin.
- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R53 May cause long-term adverse effects in the aquatic environment.
- R62 Possible risk of impaired fertility.
- R67 Vapours may cause drowsiness and dizziness.

· **Department issuing SDS:** Product safety department

· **Contact:** Mr. Ong

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 5: Acute toxicity – Category 5

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· **\* Data compared to the previous version altered.**