

SAFETY DATA SHEET

CREATION GENIE

According to Regulation (EC) No. 1907/2006

EPOXY RESIN 1608-12A

Version 2.0 SDB_GB

Creation Date 28,04,2019

Print Date 30,04,2019

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

Trade name : EPOXY RESIN 1608-12A

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance

Mixture : Casting Resin

1.3 Details of the supplier of the safety data sheet

Brand: Creation Genie

Phone:(415)871-5309

Address: 560 S. Sapodilla Ave #203 West Palm Beach, FL 33401

Email:support@creationgenie.com

1.4 Emergency phone number: (415)871-5309

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

This product contains bisphenol resin and is slightly irritating to the respiratory tract, skin and eyes.

Eat: hurt your health.

Mistaken into the eyes: Slightly irritating.

Inhalation: People who are exposed to early exposure and prolonged inhalation can irritate the respiratory tract.

Skin contact: Excessive or repeated skin contact with the gel may irritate the skin.

Line of sight contact: no effect.

Dangerous for the environment: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

This product is a non-toxic and tasteless product, there is no need to mark the pattern;

SECTION 3: Composition/information of ingredients

3.2 Mixtures

Chemical nature: modified epoxy resin/ Polyetheramine harder

Chemical composition

Epoxy resin

Chemical Name	CAS No.	EC No.	Concentration
epoxy resin	61788-97-4	/	80%
Thinner	2425-79-8	219-371-7	15%
Leveling agent	/	/	2.5%

SECTION 4 :First aid measures

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4.1 Inhalation: discomfort can breathe fresh air at the ventilation.

Skin contact: Wash skin with lotion or soapy water, cause skin allergies should stop contact and seek medical help.

Into the eyes: as soon as possible with plenty of water rinse for 15 minutes, still feel discomfort, please seek medical help.

Eating: Immediately induce vomiting and send it to the hospital for treatment;

4.2 Signs of immediate medical attention and special treatment:

no information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Form, sand, Carbon dioxide (Co2) , water mist.

Unsuitable extinguishing media: Water spray jet

5.2 Special hazards arising from the substance or mixture:

Special hazards during fires :

1. Under high temperature, the pressure inside the sealed container will increase.
2. Cool closed containers exposed to fire with water spray.

5.3 Advice for firefighters

1. Special protective equipment or firefighters: In the event of a fire, wear self-contained breathing apparatus and use personal protective equipment.

2. Further information: Do not inhale fumes in the event of fire or explosion. Use fire-fighting measures appropriate to the local environment and the Victorian environment.

Immediately evacuate personnel to a safe area. To prevent fire water from contaminating the surface water system, fire residues and contaminated fire water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

6.1 Personal precautions:

1. Refer to the protective measures listed in Articles 7 and 8.
2. Disperse personnel into a safe area.
3. Use personal protective equipment.
4. Ensure adequate ventilation.

6.2 Environmental precautions

1 If there is a large amount of gas leaking or entering the waterway, soil or drain, it should be notified to the relevant government departments.

2. Do not allow products to be discharged into the environment uncontrolled.

6.3 Methods and materials for separation and cleaning:

Cleaning method:

1. Soak with inert absorbent material (sand, silica gel, acid binder, universal adhesive, etc.).
2. Contain spillage, then collect with non-combustible ab-type adsorbent material (sand, earth, diatomaceous earth, silver mud mica), place in a container, and dispose of it according to local national regulations (see Section 13). Go to the container labeled with the appropriate label.

6.4 Refer to other sections:

See section 8 for personal protection.

SECTION 7: Handling and storage

7.1 Safety Handling Precautions:

1. Provide adequate air exchange or exhaust in the workroom.

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-
- Avoid inhalation, ingestion / eye/skin contact for a long time.
 - Anyone with a history of skin allergies or asthma, chronic or recurrent respiratory disease should not use the product in any location.

Fire and explosion protection recommendations: Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures: Provide adequate ventilation and wash hands immediately before and after using this product.

7.2 Safe storage conditions, including any incompatibilities

Use in a well-ventilated place, prohibit the use of this product in high heat, freezing, sparks, flame Body and clothing in direct contact.

Storage: cool and dry place to save, pour out the glue can not be back to the original container.

Other data: areas where normal temperature and pressure are stable.

SDB GB SECTION 8: Exposure controls/personal protection

8.1 Control parameters Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

1.Reaction product: bisphenol-A End Use: Workers (epichlorhydrin) and epoxy resin (number average mo- lecular weight < # 700)

End Use: Workers

Exposure routes: Skin contact

Potential health effects: Acute systemic effects, Long-term sys- temic effects

Value: 8,33 mg/kg ,

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Acute systemic effects, Long-term local effects

Value: 12.25 mg/m³

End Use: Consumers

Exposure routes: Skin contact .

Potential health effects: Acute systemic effects

temic effes Value: 3,571 mg/kg

End Use: Consumers

Exposure routes: Ingestion ,

Long-term sys temic effects

Value: 0,75 mg/kg :

1.6-bis(2,3- epoxypropoxy hexane

End Use: Workers

Exposure routes: Skin contact

Potential health effects: Long-term systemic effects

Value: 2,8 mg/kg

End Use: Workers

Exposure routes: Inhalation Potential health effects: Long-term systemic effects

Value: 4,9 mg/m³

2.Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006 reaction product: bisphenol-A- (epichlorhydrin) and epoxy resin (number average mo- lecular weight ca 700)

Fresh water

Value: 0,006 mg

Marine water

Value: 0,0006 mg/l

Intermittent releases

Value: 0,018 mg/l

Sewage treatment plant

Value: 10 mg/l

Fresh water sediment

Value: 0,996 mg/kg

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Marine sediment

Value: 0,0996 mg/kg

Soil

Value: 0,196 mg/kg

1,6-bis(2,3- epoxypropoxy)hexane

Sewage treatment plant

Value: 1 mg/l

Fresh water

Value: 0,0115 mg/l

Fresh water sediment

Value: 0,283 mg/kg

Marine water

Value: 0,00115 mg/l

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Marine sediment

Value: 0,0283 mg/kg

Soil

Value: 0,223 mg/kg

8.2 Exposure controls

Engineering measures

Effective exhaust ventilation system effective ventilation in all processing areas

Personal protective equipment

Eye protection :

1. Do not wear contact lenses
2. Safety glasses with side-shields conforming to EN166
3. Ensure that eyewash stations and safety showers are close to the workstation location.

Hand protection

Material

1. Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Skin and body protection :

1. Protective suit

Respiratory protection

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. In the case of vapour formation use a respirator with an approved filter Respirator with a vapour filter (EN 141) Apply technical measures to comply with the occupational exposure limits This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation.

Protective measures

1. Avoid contact with skin.
2. Wear suitable protective equipment :

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties :

Appearance : liquid

Colour : Transparent

Odour : No

Odour Threshold: not determined

pH: not determined

Melting point/freezing point: not determined

Boiling point/boiling range : 269°C

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Flash point: 269°C

Evaporation rate: not determined

Upper explosion limit: not determined

Lower explosion limit: not determined

Vapour pressure: not determined

Relative vapour density: not determined

Density : 1,15 g/cm³ (25 °C)

Bulk density : not determined

Solubility (ies)

Solubility in other solvents : not determined

Partition coefficient: n- : octanol/water : No data available

Auto-ignition temperature : Not applicable

Thermal decomposition : Not applicable :

Method: No data available

Viscosity : 1000-2000mPa.s (25 °C)

Viscosity, kinematic: not determined

Explosive properties : Not applicable

Oxidizing properties : Not applicable

9.2 Other information

Surface tension : Not determined

Sublimation point: Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions

Reacts with the following substances: Bases

Strong oxidizing agents

Avoid amines.

10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid : Incompatible with oxidizing agents.

10.6 Hazardous decomposition products

Hazardous decomposition products : This product may release the following: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Non-toxic and tasteless

Product: Non-toxic and tasteless

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Remarks: No data available

Components:

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight < 700):

Skin corrosion/irritation

Product: No

Remarks: No data available

Components:

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <- 700):

Species: Rabbit

Exposure time: 4 h

Method: OECD Test Guideline 404 Result: Skin irritation

GLP: yes

Serious eye damage/eye irritation

Product:

Remarks: No data available

Respiratory or skin sensitisation

Product:

Remarks: No data available

Components:

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <700):

Test Type: Mouse Local Lymph Node assay (LLNA)

Species: Mouse

Method: OECD Test Guideline 429 Result: May cause sensitisation by skin contact

GLP: yes

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

STOT -single exposure

Product: Remarks: Not applicable

STOT -repeated exposure

Repeated dose toxicity

Product:

Remarks: No data available

Aspiration toxicity

Components:

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <700):

No aspiration toxicity classification

Further information

Product:

Remarks: No data available

SECTION 12: Ecological information

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12.1 Toxicity

Product:

Toxicity to fish :Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates
Remarks: No data available

Components:

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight cs 700):

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia (water flea): 1,7 mg/

Exposure time: 48 h

Test Type: static test

Method: OECD Test Guideline 202

GLP:yes

Toxicity to daphnia and other aquatic invertebrates Chronic toxicity)

NOEC: 0,3 mg/l

Exposure time: 21 d

Species: Daphnia magna (Water flea)

Test Type: semi-static test

Method: OECD Test Guideline 211

GLP: yes

12.2 Persistence and degradability

Product

Biodegradability : Remarks: No data available

Components :

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight 700):

Biodegradability :

Result: Not readily biodegradable. Method: OECD Test Guideline 301F

GLP: yes

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment:This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1 % or higher .

12.6 Other adverse effects

Product;

Additional ecological information: Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations

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13.1 Waste treatment methods

Product: In accordance with local and national regulations

Container hazardous when empty

Do not dispose of with domestic refuse.

Do not mix waste streams during collection.

Contaminated packaging : Empty containers should be taken on an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number :

ADR/RID : UN 3082

MDG : UN 3082

IATA : UN 3082

14.2 UN proper shipping name

ADRIRID: Environmentally sound substance, LIQUID, N.O.S. (Epoxy resin)

IMDG : Environmentally sound substance, LIQUID N.O.S (Epoxy resin)

IATA : Environmentally sound substance, liquid, n.o.s. (Epoxy resin)

14.3 Transport hazard class(es)

ADR/RID: Normal goods

IMDG : Normal goods

IATA: Normal goods

14.4 Environmental hazards

ADRIRID

Environmentally hazardous : No

IMDG

Marine pollutant : No

14.5 Special precautions for user

Not applicable

SECTION 15: Regulatory information

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

REACH -Restrictions on the manufacture, placing on the market and use of certain dangerous substances preparations and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59)
This product does not contain sub- stances of very high concern (Regu- lation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV): Not applicable

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major- : Not applicable accident hazards involving dangerous substances.

15.2 Chemical Safety Assessment

Not applicable

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SECTION 16: Other information

Full text of R-Phrases

R36 : Irritating to eyes.

R36/38: Irritating to eyes and skin.

R43 : May cause sensitisation by skin contact.

Full text of H-Statements

H315:Causes skin irritation.

H317:May cause an allergic skin reaction.

H319:Causes serious eye irritation.

Full text of other abbreviations

Aquatic Chronic :No

Eye Irrit :Eye irritation

Skin Irrit:Skin irritation

Skin Sens:Skin sensitisation

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.