



## Safety Data Sheet Clear Resin casting

Safety Data Sheet dated 9/16/2019, version 1

### 1. IDENTIFICATION

Product identifier

Mixture identification:  
Trade name: Clear Resin casting  
Other means of identification:  
Trade code: 6ES3006

Recommended use of the chemical and restrictions on use

Recommended use: Surface coating  
Restrictions on use:  
---

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:  
Sirca S.p.A.

Address:

Viale Roma, 85  
35010 S. Dono di Massanzago (PD) - ITALY  
Tel. +39 0499322311

Distributed by:

GEMINI INDUSTRIES, INC.  
2300 Holloway Drive  
El Reno, OK 73036  
USA  
Tel. 1-800-262-5710  
Fax 1-405-262-9310  
www.gemini-coatings.com

Competent person responsible for the safety data sheet:

safety@sirca.it

Emergency phone number

For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
1-800-424-9300 / +1 703-527-3887.

### 2. HAZARD(S) IDENTIFICATION

Classification of the chemical



Warning, Skin Irrit. 2, Causes skin irritation.



Warning, Eye Irrit. 2A, Causes serious eye irritation.



Warning, Skin Sens. 1, May cause an allergic skin reaction.



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

Label elements

Hazard pictograms:



Warning

Hazard statements:

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

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash eyes Thoroughly after handling.

## Safety Data Sheet

### Clear Resin casting

P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P363 Wash contaminated clothing before reuse.  
 P391 Collect spillage.  
 P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



HMS rating:

HEALTH	* 2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 75% epoxy resin (number average molecular weight <= 700)

REACH No.: 01-2119456619-26-xxxx, Index number: 603-074-00-8, CAS: 25068-38-6, EC: 500-033-5



A.3/2A Eye Irrit. 2A H319



A.2/2 Skin Irrit. 2 H315



A.4.2/1 Skin Sens. 1 H317



US-HAE/C2 Aquatic Chronic 2 H411

>= 20% - < 25% oxirane, mono[(C12-14-alkyloxy)methyl] derivs.


Index number: 603-103-00-4, CAS: 68609-97-2, EC: 271-846-8



## Safety Data Sheet

### Clear Resin casting

 A.2/2 Skin Irrit. 2 H315

 A.4.2/1 Skin Sens. 1 H317

---

#### 4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.  
Remove contaminated clothing immediately and dispose off safely.  
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

---

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.  
Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

---

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.  
Remove persons to safety.  
See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

---

#### 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Do not use on extensive surface areas in premises where there are occupants.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.



## Safety Data Sheet

### Clear Resin casting

Storage temperature:  
Store at ambient temperature.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Control parameters

No occupational exposure limit available

##### DNEL Exposure Limit Values

epoxy resin (number average molecular weight  $\leq$  700) - CAS: 25068-38-6

Consumer: 0.75 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 3.6 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 8.33 mg/cm<sup>2</sup> - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 12.25 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

oxirane, mono[(C12-14-alkyloxy)methyl] derivs. - CAS: 68609-97-2

Worker Industry: 3.6 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 1 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.87 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 0.5 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

##### PNEC Exposure Limit Values

epoxy resin (number average molecular weight  $\leq$  700) - CAS: 25068-38-6

Target: Freshwater sediments - Value: 0.996 mg/kg

Target: Fresh Water - Value: 0.006 mg/l

Target: STP - Value: 10 mg/l

Target: orally (secondary poisoning) - Value: 11 mg/kg

Target: Marine water sediments - Value: 0.0996 mg/kg

Target: Marine water - Value: 0.0006 mg/l

Target: Soil (agricultural) - Value: 0.196 mg/kg

oxirane, mono[(C12-14-alkyloxy)methyl] derivs. - CAS: 68609-97-2

Target: Fresh Water - Value: 0.0072 mg/l

Target: Marine water - Value: 0.00072 mg/l

Target: Freshwater sediments - Value: 307.16 mg/kg dwt

Target: Marine water sediments - Value: 30.72 mg/kg dwt

Target: Soil (agricultural) - Value: 61.42 mg/kg dwt

##### Appropriate engineering controls:

None

##### Individual protection measures

###### Eye protection:

Use close fitting safety goggles, don't use eye lens.

###### Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

###### Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

###### Respiratory protection:

Not needed for normal use.

###### Thermal Hazards:

None

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	liquid
Odour:	characteristic
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	$< 1^{\circ} \text{C}$
Initial boiling point and boiling range:	$> 55^{\circ} \text{C}$
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	other $\geq 55^{\circ} \text{C}$ ( $\geq 131^{\circ} \text{F}$ )
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	1.1400 Kg/l a $20^{\circ} \text{C}$
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	$> 250^{\circ} \text{C}$
Decomposition temperature:	N.A.
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.



## Safety Data Sheet

### Clear Resin casting

---

#### 10. STABILITY AND REACTIVITY

Reactivity  
Stable under normal conditions

Chemical stability  
Stable under normal conditions

Possibility of hazardous reactions  
No dangerous reaction is stored and used appropriately.

Conditions to avoid  
Stable under normal conditions.

Incompatible materials  
None in particular.

Hazardous decomposition products  
None.

---

#### 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects  
Toxicological information of the product:  
N.A.

Toxicological information of the main substances found in the product:  
epoxy resin (number average molecular weight <= 700) - CAS: 25068-38-6

a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 30000 mg/kg  
Test: LD50 - Route: Skin - Species: Rat = 1200 mg/kg

oxirane, mono[(C12-14-alkyloxy)methyl] derivs. - CAS: 68609-97-2

a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat 17100 mg/kg

Substance(s) listed on the NTP report on Carcinogens:  
None.

Substance(s) listed on the IARC Monographs:  
None.

Substance(s) listed as OSHA Carcinogen(s):  
None.

Substance(s) listed as NIOSH Carcinogen(s):  
None.

---

#### 12. ECOLOGICAL INFORMATION

Ecotoxicity  
Adopt good working practices, so that the product is not released into the environment.  
epoxy resin (number average molecular weight <= 700) - CAS: 25068-38-6

a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish = 1.3 mg/l - Duration h: 96  
Endpoint: EC50 - Species: Daphnia = 2.1 mg/l - Duration h: 48  
Endpoint: LC50 - Species: Algae > 11 mg/l - Duration h: 72

oxirane, mono[(C12-14-alkyloxy)methyl] derivs. - CAS: 68609-97-2

a) Aquatic acute toxicity:  
Endpoint: EC50 - Species: Daphnia = 0.75 mg/l - Duration h: 48  
Endpoint: EL50 - Species: Fish > 5000 mg/l - Duration h: 96

Persistence and degradability  
N.A.

Bioaccumulative potential  
N.A.

Mobility in soil  
N.A.

Other adverse effects  
None

---

#### 13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods  
Recover if possible. In so doing, comply with the local and national regulations currently in force.

---

#### 14. TRANSPORT INFORMATION

UN number  
ADR-UN number: 3082  
DOT-UN number 3082  
IATA-Un number: 3082  
IMDG-Un number: 3082

UN proper shipping name  
ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.



## Safety Data Sheet

### Clear Resin casting

DOT-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es)  
ADR-Class: 9  
ADR-Label: 9  
DOT-Class 9  
ADR - Hazard identification number: 90  
IATA-Class: 9  
IATA-Label: 9  
IMDG-Class: 9

Packing group  
ADR-Packing Group: III  
DOT-Packing Group: III  
IATA-Packing group: III  
IMDG-Packing group: III  
Environmental hazards  
ADR-Environmental Pollutant: Yes  
IMDG-Marine pollutant: Marine pollutant

Most important toxic component: epoxy resin (number average molecular weight <= 700)

Special precautions  
ADR-Tunnel Restriction Code: 3 (E)  
DOT  
IATA-Passenger Aircraft: 964  
IATA-Cargo Aircraft: 964  
IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
IMDG-EMS: F-A , S-F

---

## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

List of substances not included in the TSCA inventory: epoxy resin (number average molecular weight <= 700), oxirane, mono[(C12-14-alkyloxy)methyl] derivs..

TSCA listed substances:

None.

#### SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: no substances listed.

Section 313 – Toxic chemical list: no substances listed.

#### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

#### CAA - Clean Air Act

CAA listed substances:

None.

#### CWA - Clean Water Act

CWA listed substances:

None.

### USA - State specific regulations

#### California Proposition 65

Substance(s) listed under California Proposition 65:

None.

#### Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

No substances listed.

#### New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

No substances listed.

#### Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

No substances listed.

---

## 16. OTHER INFORMATION

Text of phrases referred to under heading 3:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Safety Data Sheet dated 9/16/2019, version 1

Disclaimer:



## Safety Data Sheet

### Clear Resin casting

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average