

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

1.1. Product identifier

Product form : Blend
Product Name : CA-RESINE
Type of product : Resin

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

1.2.1. Relevant identified uses

Intended for the general public Main use category : Industrial use
Spec. for industrial/professional use : Intended for the general public Industrial
Use of the substance/mixture : Industrial resin for lamination, casting, injection, winding, infusion, bonding, foaming, sealants and coatings.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

TRINYTEC
1 Rue Pierre et Marie Curie
26230 VALAURIE
T +33 (0) 4 26 34 15 93
www.trinytec.com

1.4. Emergency number

:

Country	Organization/Company	Address	Emergency number	Comment
France	TRINYTEC		04 26 34 15 93	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No.

1272/2008

Corrosive/irritant to skin, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Skin sensitization, Category 1 H317
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H statements: see section 16

2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

:



GHS07

GHS09

Signal word (CLP)

: Attention

Hazardous components

: reaction product: bisphenol-A-epichlorohydrin, epoxy resins (average molecular weight $\approx$ 700),
reaction product: bisphenol F-(epichlorohydrin); epoxy resin, 1,6 hexanedioldiglycidylether

Hazard statements (CLP)

: 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

Precautionary statements (CLP)

: P102 - Keep out of reach of children
P273 - Avoid release to the environment

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P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P281
- Use
personal protective equipment as required P303+P361+P353
- IF ON SKIN (or hair): Take off immediately contaminated clothing. Rinse skin with water/
shower P501 - Dispose of contents/container to hazardous or special waste
collection point, in accordance with local, regional, national and/or international regulation

EUH sentences : EUH205 - Contains epoxy compounds. Can produce an allergic reaction
Child safety lock : No
Danger indications detectable by touch : No

2.3. Other hazards

Other hazards that do not lead to classification : None under normal conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Blend

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Reaction product: bisphenol F-(epichlorohydrin); epoxy resin	(CAS no.) 9003-36-5 (EC number) 500-006-8 (REACH No.) 01-2119454392-40	50 - 80	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
reaction product: bisphenol-A-epichlorohydrin, epoxy resins (average molecular weight $\bar{y}$ 700)	(CAS no.) 25068-38-6 (EC number) 500-033-5 (Index number) 603-074-00-8 (REACH-No.) 01-2119456619-26	10 - 40	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
1,6 hexanedioldiglycidyl ether	(CAS-No.) 16096-31-4 (EC number) 240-260-4 (REACH No.) 01-2119463471-41	10 - 40	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412

Specific concentration limits:

Name	Product identifier	Specific concentration limits
reaction product: bisphenol-A-epichlorohydrin, epoxy resins (average molecular weight $\bar{y}$ 700)	(CAS no.) 25068-38-6 (EC number) 500-033-5 (Index number) 603-074-00-8 (REACH No.) 01-2119456619-26	(C $\geq$ 5) Skin Irrit. 2, H315 (C $\geq$ 5) Eye Irrit. 2, H319

Full text of H-phrases: see section 16

SECTION 4: First aid

4.1. Description of first aid

General first aid : IN CASE of proven or suspected exposure: seek medical advice.
First aid after inhalation : Put the victim to rest. Breathe fresh air. Give oxygen or perform artificial respiration if necessary. In case of respiratory arrest, perform artificial respiration. Call a POISON CENTER or doctor.
First aid after skin contact : Remove contaminated clothing, wash the skin with plenty of water or shower (for 15 minutes), and if necessary consult a doctor. Beware of the product that may remain between the skin and the clothes, the watch, the shoes.... Do not use solvents or thinners. In case of skin irritation or rash: consult a doctor.
First aid after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if the victim wears them and if they can be easily removed. Continue rinsing. Consult an ophthalmologist immediately.
First aid after ingestion : DO NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory tract irritation, sneezing, coughing, burning sensation in throat with laryngeal choking sensation and difficulty in breathing.

Symptoms/Injuries After Skin Contact: Causes skin irritation. May cause moderate irritation, with sensation of burning, tightness, redness or swelling. The product or its emissions may induce an allergic or sensitization reaction and aggravate pre-existing systemic diseases.

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Symptoms/injuries after eye contact : Causes eye irritation. May cause moderate irritation, with burning sensation, tearing, redness or swelling.

4.3. Indication of any immediate medical attention and special treatment needed For the Poison

Control Center indicate all the ingredients including the non-hazardous ones in order to obtain (if possible) a total of 100%.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Water spray. Dry powder. Alcohol resistant foam.
Unsuitable extinguishing agents : Do not use a strong stream of water.

5.2. Special hazards arising from the substance or mixture

Explosion hazard : Under the influence of heat: increase in pressure and risk of explosion of the tanks/barrels.
Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Nitrogen oxides. Toxic fumes.

5.3. Tips for firefighters

Fire fighting instructions : Evacuate the danger area. Use caution when fighting any chemical fire. Cool exposed containers with water spray or fog. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Protection in case of fire : Do not enter fire area without protective equipment, including face shields. respiratory.
Other information : Use caution when fighting any chemical fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-rescuers

Protective gear : Handling must only be carried out by qualified and authorized personnel. To carry recommended personal protective equipment.
Emergency procedures : In the event of major spills, immediately evacuate personnel and ventilate the area.

6.1.2. For rescuers

Protective gear : Spills will be treated by qualified cleaning personnel, equipped with protective adequate respiratory and ocular. Wear adequate protective equipment.
Emergency procedures : Stop the leak. Collect in appropriate containers and dispose of impregnated materials in an approved centre.

6.2. Environmental Precautions

Prevent entry into sewers and public waters. Avoid release into the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Cleaning processes : Clean up any spillage as soon as possible, collecting it with an absorbent product. Place absorbed material in sealable containers.

6.4. Reference to other sections

See section 8 regarding personal protection to be used. See section 13 regarding disposal of wastes resulting from cleaning.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid contact with eyes, skin or clothing. Do not handle until all safety precautions have been read and understood.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke in handling this product. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, and before leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store if possible in a cool, well-ventilated place away from incompatible products. Keep containers closed when not in use.
Incompatible products : Oxidizing agent. Strong basics. Strong acids.
Storage area : Store in a well-ventilated area.
Special packaging requirements : Store in a closed container.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

individual protection equipment : Avoid unnecessary exposure. Gas mask. Protective clothing. In case of danger of splashes: goggles. Gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, and before leaving work.

Hand protection : Protective nitrile rubber gloves. Chemical resistant gloves (according to standard NF EN 374 or equivalent)

Eye protection : Splash goggles or face shield

Skin and body protection : Wear suitable protective clothing

Respiratory Protection : Wear respiratory protective equipment



Consumer exposure control : Avoid contact with substance during pregnancy/while breastfeeding.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Physical state

Color : Liquid
Smell : Colorless.
Odor threshold : light.
pH : No data available : No data available
Relative evaporation rate (butyl acetate=1) : No data available

Fusion point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor pressure : No data available
Relative vapor density at 20°C : No data available : 1.14
Relative density : No data available
Solubility : No data available
Log Pow : No data available
Kinematic viscosity : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under normal conditions of use.

10.2. Chemical stability

Stable under the use and storage conditions recommended in section 7.

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10.3. Possibility of hazardous reactions

See Section 10.1 Reactivity.

10.4. Conditions to Avoid

No data available.

10.5. Incompatible materials

Strong acids. Oxidizing agent. Strong basics. Amines.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides. Toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

acute toxicity : Unclassified

ATE CLP (oral route)	500,000 mg/kg body weight
ATE CLP (dermal)	1100,000 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/eye irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Can cause cutaneous allergy.

Germ cell mutagenicity : Unclassified

Carcinogenicity : Unclassified

Reproductive toxicity : Unclassified

Specific target organ toxicity (single exposure) : Unclassified

Specific target organ toxicity (repeated exposure) : Unclassified

Aspiration hazard : Unclassified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data.

Ecology - air : No data.

Ecology - water : No data.

12.2. Persistence and degradability

1050

Persistence and degradability	No data.
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12.3. Bioaccumulative potential

1050

Bioaccumulative potential	No data.
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12.4. Mobility in soil

1050

Ecology - soil	No data.
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12.5. Results of PBT and vPvB assessment

Making up

Reaction product: bisphenol F-(epichlorohydrin); epoxy resin (9003-36-5)	This substance/mixture does not meet the PBT criteria of the REACH regulation annex XIII This substance/mixture does not meet the vPvB criteria of the REACH regulation annex XIII
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12.6. Other Adverse Effects

Other Adverse Effects : No data.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not empty into drains. Dispose of this product and its container at a collection center hazardous or special waste.

Recommendations for waste disposal : Recycle or dispose of in accordance with current legislation.

Ecology - waste : Avoid release into the environment.

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SECTION 14: Transport information

In accordance with the requirements of ADR / RID / IMDG / IATA / ADN

14.1. UN number

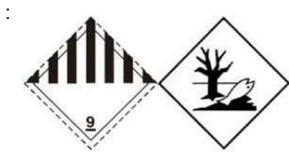
UN number (ADR)	: 3082
UN number (IMDG)	: 3082
UN number (IATA)	: 3082
UN number (ADN)	: 3082
UN number (RID)	: 3082

14.2. UN Proper Shipping Name

Proper shipping name (ADR)	: ENVIRONMENTALLY HAZARDOUS MATERIAL, LIQUID, NOS
Proper shipping name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS
Proper shipping name (IATA)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS
Proper Shipping Name (ADN)	: ENVIRONMENTALLY HAZARDOUS MATERIAL, LIQUID, NOS
Proper shipping name (RID)	: Not applicable :
Transport document description (ADR)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NSA, 9, III, (E)
Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS, 9, III, MARINE POLLUTANT/DANGEROUS FOR THE ENVIRONMENT

14.3. Transport hazard class(es)

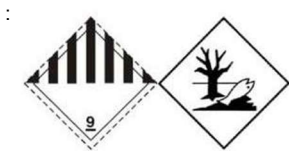
ADR	
Transport hazard class(es) (ADR)	9
Danger labels (ADR)	9



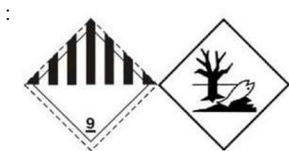
IMDG	
Transport hazard class(es) (IMDG)	9
Hazard Labels (IMDG)	9



IATA	
Transport hazard class(es) (IATA)	9
Danger labels (IATA)	9



DNA	
Transport hazard class(es) (ADN)	9
Hazard labels (DNA)	9



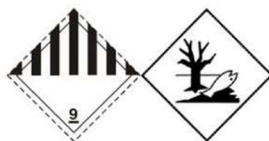
RID

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Transport hazard class(es) (RID) : 9
Hazard labels (RID) : 9



14.4. Packing group Packing

group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (DNA) : III
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : Yes
marine pollutant : Yes
Other information : No additional information available

14.6. Special precautions for user

- Transportation by land

Classification code (ADR) : M6
Limited quantities (ADR) : 5I
Excepted Quantities (ADR) : E1
Vehicle for tank transport : AT
Transport category (ADR) : 3
Hazard No. (Kemler code) : 90
orange panels :



Tunnel restriction code (ADR) : E

- Maritime transport

Special Provisions (IMDG) : 274, 335
Limited quantities (IMDG) : 5L
Excepted Quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Instructions for tanks (IMDG) : T4
Special provisions for tanks (IMDG) : TP2, TP29
No. FS (Fire) : FA
FS No. (Spill) : SF
Loading category (IMDG) : AT

- Air transport

Quantities excepted passenger and cargo aircraft (IATA) : E1
Limited quantities passenger and cargo aircraft (IATA) : Y964
Net quantity max. for limited quantity passenger and cargo aircraft (IATA) : 30kgG
Passenger and cargo aircraft packing instructions (IATA) : 964
Net quantity max. for passenger and cargo aircraft (IATA) : 450L
Packing Instructions Cargo Aircraft Only (IATA) : 964

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quantity max. net cargo aircraft only (IATA)	: 450L
Special Provisions (IATA)	: A97, A158
ERG code (IATA)	: 9L

- River transport

Classification code (ADN)	: M6
Special Provisions (ADN)	: 274, 335, 61
Limited Quantities (DNA)	: 5L
Excepted quantities (ADN)	: E1
Carriage admitted (ADN)	:T
Required equipment (ADN)	: PP
Number of blue cones/lights (DNA)	: 0

- Rail transport

No data available

14.7. Bulk transport in accordance with Annex II of MARPOL 73/78 and the IBC Code

IBC code	: Not applicable.
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SECTION 15: Regulatory information

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

15.1.1. EU regulations

Does not contain any substances subject to restrictions according to annex XVII of REACH

Does not contain any substance on the REACH candidate list

Does not contain any substances listed in Annex XIV of REACH

15.1.2. National guidelines

No additional information available

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

Indication of changes:

Revision - See: *.

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006.

Other information : The information given in this safety data sheet is based on the state of our current knowledge and on our experience. It in no way exempts the user from knowing and applying all the texts regulating his activity. He will take under his sole responsibility the precautions related to the use of the product that he knows.
It is the responsibility of the user to take the precautionary measures mentioned as well as to ensure that he has complete and sufficient information for the use of this product.

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2 Skin
Skin Irrit. 2	corrosion/irritation, Category 2 Skin
Skin Sens. 1	sensitization, Category 1 Causes skin
H315	irritation May cause an allergic
H317	skin reaction Causes serious eye
H319	irritation Toxic to aquatic life with long
H411	lasting effects Harmful to aquatic life with long lasting effects Contains epoxy compounds.
H412	Can produce an allergic reaction
EUH205	

EU MSDS (Annex II REACH)

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This information is based on our current knowledge and describes the product for the purposes of health, safety and the environment only. They should therefore not be construed as guaranteeing any specific property of the product.