

SAFETY DATA SHEET

Conforms to the Directive N.1907/2006 (REACH)

INDUSTRIA EPOFLEX 03 JOINT (A)

PRINTING DATE 11 2006

VERSION 4

REVISION 04 2019

SECTION 1. Identification of the substance/mixture and of the company

Product identifier

- Trade name

INDUSTRIA EPOFLEX 03 JOINT Comp. A

Product type and use:

Joint

Details of the supplier of the safety data sheet

- Supplier:

CIPA GRES SpA (Cipa Industrial Service)

Via Statale 467, n.119 - 42013 Casalgrande (RE)

Tel. +39 0522 846890 - Fax +39 0522 849910

www.cipagres.it ; E-mail: info@cipagres.it

- Further information from:

ufficiotecnico@cipagres.it

Emergency telephone number:

- Rica: tel. +39 0542 670689

- Poison Control Center of Milano Tel. 02/66101029 (CAV Hospital Niguarda - Milano)

- Poison Control Center of Pavia Tel. 0332/24444 (CAV Hospital Maugeri - Pavia)

- Poison Control Center of Bergamo Tel. 800 881300 (CAV Hospital Riuniti - Bergamo)

- Poison Control Center of Firenze Tel. 055/7947819 (CAV Hospital Careggi - Firenze)

- Poison Control Center of Roma Tel. 06/3054343 (CAV Hospital Gemelli - Roma)

- Poison Control Center of Roma Tel. 06/49978000 (Cav Hospital Umbertol - Roma)

- Poison Control Center of Napoli Tel. 081/7472870 (CAV Hospital Cardarelli - Napoli)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Product definition: Mixture

- Classification according to Directive (EC) N. 1272/2008 (CLP)

Skyn Irrit. 2	H 315	Cause skin irritation
Eye Irrit. 2	H319	Cause eye irritation
Skin.Sens. 1	H317	May cause an allergic skin reaction
Reproductive toxicity 2	H61d	Suspected of harming the fetus
Aquatic Chronic 3	H412	Harmful to aquatic life with long last term

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2.2 Label elements

Labelling Reg EC 1272/2008

Hazard pictograms:



- Attention: Danger

H315 Cause skin irritation
H317 May cause an allergic skin reaction
H319 Cause eye irritation
H361d Suspected of harming the fetus
H412 Harmful to aquatic life with long last term

P101
P102
P201
Prevention
P280
Storage
P405
Elimination
P501

- Dangerous ingredients:

Reaction product: 2,2-bis-4-(2,3-epoxypropoxy)phenyl-propane
Reaction product: formaldehyde with 1-chlorine-2,3 epoxypropane and phenol Oxirane, mono C12 -14 alkyloxy methyl
Toluene derivatives

- Additional labelling:

EUH205 Contains epoxy compounds. May cause an allergic reaction.
Special provisions under the Annex XVII of the REACH and subsequent adjustments: No

2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Based on available data, the product does not contain PBT substances
- vPvB: Based on available data, the product does not contain vPvB substances

SECTION 3: Composition/information on ingredients

Description:

Mixture - modified epoxy resin and mineral fillers

Substances dangerous to health within the meaning of Directive 67/548 / EEC as amended, or for which there are exposure limits:

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Dangerous components:

2,2-bis-4-(2,3-epoxypropoxy) phenylpropane		9 -10%
Reg.nr.: 01-2119502450 CAS: 1675-54-3 EC : 216-823-5 INDEX: 603-073-00-2	Epoxy resin PM <= 700 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens 1, H317	
Bispheno F Reaction Product -Epichlorohydrin		1-2%
CAS: 9003-36-5 EC : 500-006-8	Epoxy resin PM <= 700 Skin Irrit. 2, H315 Skin Sens H317 Eye Irrit. 2, H319 Aquatic Chron.2, H411	
Oxirane interval from C12 to C14 alkyl glycidyl ether		
Reg.nr.: 01-21194852289 -22 EC: 271-846-8 INDEX: 603-103-00-4	Skin Irrit. 2, H315 Skin Sens H317	
Toluene		1,5-3%
Reg.nr.: 01-2119471310-51 EC: 203-625-9 INDEX: 108-88-3	Flam. Liquid,2, H225 Eye Irr. 2, H319 Asp. Tox.1, H304 Skin. Irrit 2, H315 Repr 2, H316d STOT SE 3, H336 STOT RE 2, H373	

SECTION 4: First aid measures

4.1 Description of first aid measures

- After skin contact:
Wash immediately with plenty of soap and water .Remove contaminated clothes eliminate the in a safe way.
- After eye contact:
Wash immediately with plenty of water for a sufficient length of timeRemove any contact lenses. Call in ophthalmologist.
- Ingestion:
Do not induce vomiting, call a doctor immediately
- Inhalation:
Move victim to fresh air.If symptoms persist, call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Skin Contact: May cause inflammation and sensitization.
Eyes Contact: May cause irritation that may last up to 24 hours.
Ingestion: Irritation of the mucous membranes of the throat and stomach.
Inhalation: No known significant effects or critical dangers.

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SECTION 5: Firefighting measures

5.1 means of extinction

- Recommended fire extinguisher:

CO₂ foam, powder. Cool down the cases exposed to the fire with water forbidden fire extinguishers.

5.2 Risk caused from combustion

Avoid to breath fumes, gas and vapours produced by the combustion. during the combustion toxics gases such as gas nitrosi, carbon monoxide may form.

5.3 Recommendations for the persons assigned at the fire extinction

- Protective equipment:

Isolate the area promptly and move away all the people. Move the not interested cases in a safe zone
Collect the water used for the extinction in special cases, do not discharge to sewers.

- Protective clothes:

Use suitable clothes, gloves and total protection mask for the face.
Operate with proper respiratory equipment.

SECTION 6: Measures in case of accidental dispersion

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Move people to a safer place

6.2 Environmental precautions:

Contain spilled liquid with sand or inert absorbent material

Keep the product away from drains, surface waters and groundwater; in the case of runoff produced in a water course, drainage or soil contamination and vegetation please notify to the competent authorities.

6.3 Methods and material for containment and cleaning up:

Absorb with inert material and remove in accordance to the law.

Wash with water And liquid detergent.

6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid the contact with skin and eyes

Avoid inhalation of vapors. Operate with the individuals precautions indicate at point 8.

Do not eat or drink during the work

The contaminated clothes have to be replaced before you entered in the dining areas

Do not use the empty cases until they have been cleaned.

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7.2 Conditions for safe storage, including any incompatibilities

keep in closed cases in a fresh place
Keep away from food and drink

- *Indications for rooms:*

operate in a suitable ventilated place.
incompatible materials: none

7.3 Specific end use(s)

none in particular

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure Limit Values DNEL: Not available

Exposure Limit Values PNEC: Not available

8.2 Exposure controls

- *Hand protection:*

Wear suitable gloves



- *Material of gloves:*

PVC
Neoprene
Rubber
We recommend LLPDE (0.06 mm) nitrile (0.4mm), butyl (0.5mm)

- *Eye protection:*

Wear goggles and appropriate hermetic full facial protection in case of possibility of spillage or leakage.



- *Skin protection:*

Work with appropriate clothing that provides total protection of the skin.

- *Respiratory protection:*

None required for normal use with adequate ventilation always use. All personal protective equipment must comply with the standard EC relative (as EN 374 for gloves and EN 166 for goggles, correctly maintained and stored in an appropriate manner).

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Apparence:	Thick liquid
- Colour:	Various
- Odor:	Characteristic
- Boiling point or initial boiling point and boiling range:	n.d.
- Flash point:	> 56°C
- Density at 25 °C:	1.8
- Solubility in water:	Not soluble
- Solubility in organic solvents:	Alcohols, Glicoeteri, Ketones
- Viscosity at 25 °C:	ca 20000 mPa
- Specific gravity Vapour:	n.d.
- Flammable Limits in Air:	n.d.
- Auto-ignition temperature:	n.d.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

It may inflame on contact with strong oxidizing agents.

10.4 Conditions to avoid

The product is stable in normal conditions of use and storage.

10.5 Incompatible materials

Amines, acids, strong oxidizing agents.

10.6 Hazardous decomposition products:

In case of fire carbon oxides and fumes may liberate that could be dangerous for the health.

SECTION 11: Toxicological information

Information on toxicological effects

- Routes of entry:

Ingestion: Yes

Inhalation: Yes

Contact: Yes

- Toxicological information on the preparation:

There are no toxicological data available on the mixture Please note the concentration of dangerous substances in order to evaluate the toxicological effects deriving from the preparation.

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- Toxicological information on main components of the mixture

Liquid epoxy resins of bisphenol with P.M. < 700 CAS : 1675-54-3		
Oral	LD50 Acute toxicity	>15000 mg/kg (rat)
Skin	LD50 Acute toxicity	23000 mg/kg (rabbit)
Oxiran mono C12-C14 alkyloxy methyl derivatives CAS : 68609-97-2		
Oral	LD50 Acute toxicity	>19200 mg/kg (rat)
Skin	LD50 Acute toxicity	4500 mg/kg (rabbit)

Toluene: N.D.

- Corrosive / irritating:

-Skin: This product may cause irritation

-Eye: This product may cause irritation

-Sensitizing: Frequent contacts

-Carcinogenicity: No known effects or critical dangers

-Mutagenicity: No known effects or critical dangers

There are no known teratogenic effects or critical dangers

-Developmental effects: No known effects or critical dangers

-Fertility effects: No known effect

SECTION 12: Ecological information

Use the product according to the indications given in the technical form; avoid to release the product in the environment.

12.1 Toxicity

Toxic to aquatic organisms.may cause long term adverse effects to the aquatic environment.

12.2 Mobility in the ground

n.a.

12.3 Persistence and degradability

n.a.

12.4 Potential of bio backlog

n.a.

12.5 Results of the valuation PBT and vPvB

PBT: None

vPvB: None

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recover if possible. Operate in accordance with current local and national regulations
Dispose of this material and its containers at a hazardous or special waste collection point
Do not release into the environment. Refer to special instructions/safety information sheets
91/156/EEC, 91/689/EEC, 94/62/EEC and subsequent adjustments
Disposal of hardened product: CER code 08 04 10
Disposal of unhardened product: CER code 08 04 09

SECTION 14: Transport information

14.1 UN-Number or ID Number:

- ADR/RID-ADDN/RID, IMDG, IATA
N.A.

14.2 UN proper shipping name:

Sostanza pericolosa per l'ambiente, liquida, n.o.s Resine epossidiche

14.3 Dangerous class(es):

N.A.

14.4 Packing group:

N.A.

14.5 Environmental hazards:

N.A.

14.6 Special precautions for user

N.A.

- Further information:

Code Tunnel E, Emergency Plan F-A.S-F

14.7 bulk transport according to Annex II of Marpol 73/78 and the IBC Cod:

N.A.

SECTION 15: Regulatory information

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

- Leg. 3/2/1997 52 (Classification, packaging and labeling of dangerous substances)
 - Leg. 14/3/2003 n.65 (Classification, packaging and labeling of dangerous preparations)
 - Leg. 9/4/2008 81
 - Ministerial Decree 26/02/2004 Labour (Occupational Exposure Limits)
 - Ministerial Decree 03/04/2007 (Implementation of Directive n.8/2006 / EEC
 - EC Regulation no. 1907/2006 REACH
 - EC Regulation no. 1272/2008 CLP
 - EC Regulation no. 790/2009 ATP 1 CLP
 - EU Regulation 453/2010 (Annex 1)
 - Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation n.1907 / 2006
- REACH and subsequent adaptations: NONE

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Conforme alla Direttiva N. 1907/2006 (REACH)

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- Regulation n. 1272/2008 CLP s.m.i
- Directive n. 1999/45 / EC (Dangerous preparations) and subsequent amendments
- Directive n. 67/548 / EEC (substances) and s.m.i
- Dec.Lgs. 09/04/2008 n. 81 Title IX "Hazardous Substances" - Chapter I - Protection agents vehicle chemistry
- Directive 2000/39 / EC and subsequent amendments (Occupational exposure limits)
- Dec.Lgs. 03/04/2006 n. 152 and s.m.i (Environmental Regulations)
- Directive 105/2003 / EC (Seveso III): N.A.
- ADR - IMDG Code - IATA Regulations
- *Dangerous components to be reported on the label:*
 - Reaction product: 2,2-bis-[4(2,3epoxypropoxy) phenyl]propane Oxirane, mono C12-C14 alkyloxy methyl derivatives
 - Reaction product: formaldehyde with 1-chloro-2,3epoxypropane and phenol
- *Contains epoxy resins* : see information provided by the manufacturer
 - H319 Causes severe eye irritation
 - H315 Causes skin irritation
 - H317 May cause allergic skin reaction
 - H412 Harmful to aquatic organisms, may cause long-term adverse effects in aquatic organisms
- *Prohibitions/Restrictions*
 - REACH – Restrictions on the manufacture/placing on the market and use of certain dangerous substances, preparations and articles Annex XVII: Banned and/or Restricted: (Toluene)
 - REACH- Candidate list of substances of very high concern for authorisation (Art. 59):
 - None of the components are listed
 - REACH- List of substances subject to authorisation (Annex XIV): Not applicable
- *REACH Information:*
 - All substances contained in the products are:
 - pre-recorded or recorded by our suppliers and/or
 - excluded from the regulation and/or
 - exempt from registration
- VOC –EU (solvent) 3%

SECTION 16: Other information

- Text of H phrases of section 3
- Full text of R-phrases and H-statements
 - H225 Flammable liquid evaporates
 - H304 May be fatal if swallowed and enters airways
 - H315 Causes skin irritation
 - H317 May cause allergic skin reaction
 - H319 Causes severe eye irritation
 - H336 May cause drowsiness and dizziness
 - H361d Suspected of harming the fetus
 - H373 May cause damage to organs through prolonged or repeated exposure
 - H411 Toxic to aquatic life with long lasting effects

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- Full text of other abbreviations:

Aquatic Chronic	Chronic aquatic toxicity
Asp.Tox.	Dangerous if aspired
Eye Irrit.	Eye irritation
Flam.Liq.	Flammable liquids
Repr.	Reproductive toxicity
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT RE	Specific target organ toxicity – repeated exposure
STOT SE	Specific target organ toxicity - single exposure

- Abbreviations and acronyms:

ADR	European Agreement concerning the international carriage of goods by road
CAS	Chemical Abstracts Service
CLP	Classification, Labeling, Packaging
DNEL	Derived No Effect Level
EINECS	European Inventory of Existing Commercial Chemical European
GefStoffV	Ordinance on Hazardous Substances in Germany
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IATA DGR	Dangerous Goods Regulation of International Air Transport Association
ICAO	International Civil Aviation Organization
ICAO-T.I.	Technical Instructions of the "International Civil Aviation Organization"
IMDG	International Maritime Code for Dangerous Goods
LC50	Lethal concentration for 50% of the population of Test
LD50	lethal dose for 50% of the population of Test
LTE	Long-term exposure
PNEC	Predicted No Effect Concentration
RID	Regulations concerning the international carriage of dangerous goods by rail
ETS	exposure in the short term
STEL	limit for short exposure time
STOT	organ specific toxicity
TLV	Threshold limit value for occupational exposure
TWA	limit for the weighted average over 8 hours
OEL	Occupational Exposure Limit Value Community
VLE	Value occupational exposure limit
WGK	Hazard Class Water in Germany
N.A.	not applicable
N.a.	not available

This sheet has been revised in all sections in accordance with Regulation 453/2010 / EU

The information contained herein is based on our knowledge at the date indicated above. It refers solely to the product indicated and constitutes no guarantee of particular quality. The user must verify the suitability and completeness of such information in relation to the specific use intended.