

Industria Chimica General S.r.l.		Revision nr.10 Dated 27/08/2025 Printed on 27/08/2025 Page n. 1 / 15 Replaced revision:9 (Dated 05/07/2024)		EN	
ME02A - EPOXY REGULAR PARTE A					

### Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

##### 1.1. Product identifier

Code:	ME02A
Product name	EPOXY REGULAR PARTE A
Chemical name and synonym	Mixture of epoxy resins and mineral fillers

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

Intended use	Epoxy mastic		
Identified Uses	Industrial	Professional	Consumer
Professional uses: public sector (administration, education, entertainment, services, crafts)	-	ERC: 8b, 8e. PROC: 10, 11, 19. PC: 1.	-

##### 1.3. Details of the supplier of the safety data sheet

Name	Industria Chimica General S.r.l.		
Full address	Via Repubblica di San Marino 8		
District and Country	41122 Modena		(MO)
	Italy		
Tel.	(+39) 059 450991 / 059 450978		
Fax	(+39) 059 450615		
e-mail address of the competent person responsible for the Safety Data Sheet	ricerca@generalchemical.it		
Supplier:	Industria Chimica General S.r.l.		

##### 1.4. Emergency telephone number

For urgent inquiries refer to	Milano, Italy	(+39) 02 66101029	Centro Antiveleni Ospedale Niguarda Ca'
	Granda		
	Pavia, Italy	(+39) 0382 24444	Centro Antiveleni IRCSS Fondazione Maugeri
	Bergamo, Italy	(+39) 800 883300	Centro Antiveleni Ospedali Riuniti
	Firenze, Italy	(+39) 055 7947819	Centro Antiveleni Ospedale Careggi
	Roma, Italy	(+39) 06 3054343	Centro Antiveleni Policlinico Gemelli
	Roma, Italy	(+39) 06 49978000	Centro Antiveleni Policlinico Umberto I
	Napoli, Italy	(+39) 081 7472870	Centro Antiveleni Ospedale Cardarelli

#### SECTION 2. Hazards identification

##### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:		
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 2	H411	Toxic to aquatic life with long lasting effects.

EPY 11.6.1 - SDS 1004.14

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SECTION 2. Hazards identification ... / >>			
2.2. Label elements			
Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.			
Hazard pictograms:			
<div><div></div><div></div></div>			
Signal words:		Warning	
Hazard statements:			
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.	
EUH205		Contains epoxy constituents. May produce an allergic reaction.	
Precautionary statements:			
P280		Wear protective gloves / eye protection / face protection.	
P273		Avoid release to the environment.	
P391		Collect spillage.	
P261		Avoid breathing vapours or spray.	
P333+P313		If skin irritation or rash occurs: Get medical advice / attention.	
P501		Dispose of the product / container in an authorized installation according to national and local regulations.	
Contains:		bis-[4-(2,3-epoxipropoxi)phenyl]propane BISPHENOL F-EPICHLORHYDRIN (MW ≤700) oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	
2.3. Other hazards			
On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.			
The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.			
SECTION 3. Composition/information on ingredients			
3.2. Mixtures			
Contains:			
Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)	
CALCIUM CARBONATE			
INDEX	35 ≤ x < 50		
EC	207-439-9		
CAS	471-34-1		
REACH Reg. Esente ai sensi dell'Allegato V.7 del Regolamento CE 1907/2006 (REACH)			
bis-[4-(2,3-epoxipropoxi)phenyl]propane			
INDEX	603-073-00-2	35 ≤ x < 50	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411
EC	216-823-5		Skin Irrit. 2 H315: ≥ 5%, Eye Irrit. 2 H319: ≥ 5%
CAS	1675-54-3		
REACH Reg. 01-2119456619-26			
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.			
INDEX	603-103-00-4	5 ≤ x < 10	Skin Irrit. 2 H315, Skin Sens. 1 H317
EC	271-846-8		
CAS	68609-97-2		
REACH Reg. 01-2119485289-22			

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### SECTION 3. Composition/information on ingredients ... / >>

#### BISPHENOL F-EPICHLORHYDRIN (MW ≤700)

INDEX 5 ≤ x < 10

EC 500-006-8

CAS 9003-36-5

REACH Reg. 01-2119454392-40

Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411

#### PROPYLENE CARBONATE

INDEX 607-194-00-1 1 ≤ x < 5

EC 203-572-1

CAS 108-32-7

REACH Reg. 01-2119537232-48

Eye Irrit. 2 H319

#### SILICON DIOXIDE (nanoform)

INDEX 0,5 ≤ x < 1

EC 231-545-4

CAS 7631-86-9

REACH Reg. 01-2119379499-16

#### Titanium dioxide [in powder containing <1 % particles with aerodynamic diameter ≤ 10 µm]

INDEX 022-006-00-2 0,1 ≤ x < 0,5

Carc. 2 H351, Classification note according to Annex VI to the CLP Regulation: 10, V, W

EC 236-675-5

CAS 13463-67-7

REACH Reg. 01-2119489379-17

The full wording of hazard (H) phrases is given in section 16 of the sheet.

silicon dioxide

Silicon dioxide

#### Supplementary information for nanoforms

Shape

Shape 1:

### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

#### 4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or discomfort, consult a doctor immediately, showing the label and / or the safety data sheet. No special treatment provided.

### SECTION 5. Firefighting measures

#### 5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA

The means of extinction are the traditional ones: carbon dioxide, foam, dust and atomated water.

UNSUITABLE MEANS OF EXTINCTION

Do not use full jet water.

#### 5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN THE EVENT OF FIRE

Avoid breathing combustion products. Combustion products may include: phenolic compounds, carbon monoxide, carbon dioxide, halogenated compounds.



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SECTION 8. Exposure controls/personal protection ... / >>

POL

Polska

agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos

ROU

România

Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy

GBR

United Kingdom

Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006

TLV-ACGIH

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

ACGIH 2023

CALCIUM CARBONATE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
MAK	DEU	10				INHAL		
MAK	DEU	3				RESP		
VLA	ESP	10				INHAL		
VLA	ESP	3				RESP		
VLEP	FRA	10				INHAL		
VLEP	FRA	5				RESP		
TLV	GRC	10				INHAL		
TLV	GRC	5				RESP		
VLEP	ITA	10				INHAL		
VLEP	ITA	3				RESP		
VLE	PRT	10				INHAL		
VLE	PRT	5				RESP		
TLV	ROU	10				RESP		
WEL	GBR	10				INHAL		
WEL	GBR	4				RESP		

Predicted no-effect concentration - PNEC

Normal value in fresh water	NPI		
Normal value in marine water	NPI		
Normal value for fresh water sediment	NPI		
Normal value for marine water sediment	NPI		
Normal value for water, intermittent release	NPI		
Normal value of STP microorganisms	100	mg/l	
Normal value for the food chain (secondary poisoning)	NPI		
Normal value for the terrestrial compartment	NPI		
Normal value for the atmosphere	NPI		

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral	NPI	NPI	NPI	NPI				
Inhalation	NPI	NPI	1,06	10	NPI	NPI	4,26	10
			mg/m3	mg/m3			mg/m3	mg/m3
Skin	NPI	NPI	NPI	NPI	NPI	NPI	NPI	NPI

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SECTION 8. Exposure controls/personal protection   ... / >>

bis-[4-(2,3-epoxipropoxi)phenyl]propane								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					0,006	mg/l		
Normal value in marine water					0,0006	mg/l		
Normal value for fresh water sediment					0,0627	mg/kg		
Normal value for marine water sediment					0,00627	mg/kg		
Normal value of STP microorganisms					10	mg/l		
Normal value for the terrestrial compartment					0,0478	mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		0,75 mg/kg bw/d		0,75 mg/kg bw/d				
Inhalation				0,87		12,25 mg/m3		12,25 mg/m3
Skin		3,571 mg/kg bw/d		3,571 mg/kg bw/d		8,33 mg/kg bw/d		8,33 mg/kg bw/d

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				0,106		mg/l		
Normal value in marine water				0,011		mg/l		
Normal value for fresh water sediment				307,16		mg/kg		
Normal value for marine water sediment				30,72		mg/kg		
Normal value of STP microorganisms				10		mg/l		
Normal value for the terrestrial compartment				1,234		mg/kg		
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers		Chronic local	Chronic systemic	Effects on workers			
	Acute local	Acute systemic			Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,5 mg/kg/d				
Inhalation	2,9 mg/m3	7,6 mg/m3	1,46 mg/m3	0,87 mg/m3	9,8 mg/m3	29 mg/m3	0,98 mg/m3	3,6 mg/m3
Skin	40 mg/kg/d	10 mg/kg/d	1 mg/kg/d	0,5 mg/kg bw/d	68 mg/kg/d	17 mg/kg/d	1,7 mg/kg/d	1 mg/kg bw/d

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				0,003	mg/l			
Normal value in marine water				0,0003	mg/l			
Normal value for fresh water sediment				0,294	mg/kg/d			
Normal value for marine water sediment				0,0294	mg/kg/d			
Normal value for water, intermittent release				0,0254	mg/l			
Normal value of STP microorganisms				10	mg/l			
Normal value for the terrestrial compartment				0,237	mg/kg/d			
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers			Chronic systemic	Chronic systemic	Effects on workers		
	Acute local	Acute systemic	Chronic local			Acute local	Acute systemic	Chronic local
Oral				6,25 mg/kg bw/d				
Inhalation				8,7 mg/m3				29,39 mg/m3
Skin				62,5 mg/kg bw/d	0,0083 mg/cm2			104,15 mg/kg bw/d

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## SECTION 8. Exposure controls/personal protection ... / >>

### PROPYLENE CARBONATE

#### Predicted no-effect concentration - PNEC

Normal value in fresh water	0,9	mg/l
Normal value in marine water	0,09	mg/l
Normal value for water, intermittent release	0,9	mg/l
Normal value of STP microorganisms	7400	mg/l
Normal value for the terrestrial compartment	0,81	mg/kg

#### Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Effects on workers					
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				10 mg/kg bw/d				
Inhalation			10 mg/m3	17,4 mg/m3			20 mg/m3	70,53 mg/m3
Skin			10	10 mg/kg bw/d				20 mg/kg bw/d

### SILICON DIOXIDE

#### Threshold Limit Value

Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks / Observations
TLV-ACGIH		10				INHAL
TLV-ACGIH		3				RESP

### Titanium dioxide [in powder containing <1 % particles with aerodynamic diameter ≤ 10 µm]

#### Threshold Limit Value

Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks / Observations
VLA	ESP	10				
VLEP	FRA	10				
TLV	GRC		10			
NDS/NDSch	POL	10				INHAL
TLV	ROU	10		15		
WEL	GBR	10				INHAL
WEL	GBR	4				RESP
TLV-ACGIH		10				

#### Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

## 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

#### HAND PROTECTION

Handle with protective gloves compliant with standard EN 374, in butyl rubber (0.7 mm) or viton (0.4 mm) and with a permeation time of at least 60 min. The permeation time may vary depending on the glove manufacturer. In the case of a mixture consisting of several substances, it is not possible to accurately estimate the protection time of the gloves. Gloves must be checked before being used and must be replaced as soon as they are damaged or worn. Use an appropriate technique for removing gloves to avoid skin contact with the product.

Wash and dry your hands.

#### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

#### EYE PROTECTION

Wear tight-fitting safety goggles or closed protective visors complying with EN 166 and EN 165. Do not use ocular lenses.

#### RESPIRATORY PROTECTION

Exposed workers must wear an appropriate half-face mask of respiratory protection approved according to EN 140 and / or EN 136, with A1-P2 filters (white-brown color code).

In the event of possible saturation of the environment and / or lack or absence of oxygen, the use of an auto-protector or air supply respirator is recommended.

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### SECTION 8. Exposure controls/personal protection ... / >>

#### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

### SECTION 9. Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	paste	
Colour	various colors	
Odour	characteristic	
Odour threshold	not determined	
Melting point / freezing point	-16 °C	
Initial boiling point	not determined	
Boiling range	not determined	
Flammability	not applicable	Reason for missing data:as a paste
Lower explosive limit	not determined	
Upper explosive limit	not determined	
Flash point	> 60 °C	
Auto-ignition temperature	not determined	
Decomposition temperature	not determined	
pH	not determined	Reason for missing data:substance/mixture is non-polar/aprotic (eg: an organic solvent mixture)
Kinematic viscosity	not determined	
Solubility	not determined	
Partition coefficient: n-octanol/water	not determined	
Vapour pressure	not determined	
Density and/or relative density	1,45 g/cm <sup>3</sup>	
Relative vapour density	not determined	
Particle characteristics	not applicable	

#### 9.2. Other information

##### 9.2.1. Information with regard to physical hazard classes

Information not available

##### 9.2.2. Other safety characteristics

Evaporation rate	not determined	
Total solids (250°C / 482°F)	61,10 %	
VOC (Directive 2010/75/EU)	37,30 % - 540,84	g/litre
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

### SECTION 10. Stability and reactivity

#### 10.1. Reactivity

There are no particular risks of reaction with other substances under normal conditions of use.

##### CALCIUM CARBONATE

Decomposes at temperatures above 800°C/1472°F.

#### 10.2. Chemical stability

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

#### 10.3. Possibility of hazardous reactions

In normal use and storage conditions dangerous reactions are not predictable. Polymerization does not occur spontaneously.



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### SECTION 10. Stability and reactivity ... / >>

#### 10.4. Conditions to avoid

Avoid electrostatic discharge.

#### 10.5. Incompatible materials

Avoid contact with oxidizing materials, acids and bases. Avoid accidental contact with amines.

CALCIUM CARBONATE

Incompatible with: acids.

#### 10.6. Hazardous decomposition products

Decomposition products depend on temperature, available air and the presence of other substances. An uncontrolled exothermic reaction of the epoxy resins releases phenolic derivatives, carbon monoxide and water.

CALCIUM CARBONATE

May develop: calcium oxides, carbon oxides.

### SECTION 11. Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

#### ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

CALCIUM CARBONATE

LD50 (Dermal):

> 2000 mg/kg Rat - OCSE 402

LD50 (Oral):

> 2000 mg/kg Rat - OCSE 425

LC50 (Inhalation mists/powders):

> 3 mg/l/4h Rat - OCSE 403

bis-[4-(2,3-epoxipropoxy)phenyl]propane

LD50 (Dermal):

23000 mg/kg rabbit

LD50 (Oral):

> 15000 mg/kg Rat

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

LD50 (Dermal):

> 200 mg/kg rat

LD50 (Oral):

26800 mg/kg rat

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

LD50 (Dermal):

> 2000 mg/kg rabbit

LD50 (Oral):

> 2000 mg/kg rat

PROPYLENE CARBONATE

LD50 (Dermal):

2000 mg/kg rabbit - OCSE 402

LD50 (Oral):

> 5000 mg/kg rat - OCSE 401

SILICON DIOXIDE

LD50 (Dermal):

> 5000 mg/kg rabbit

LD50 (Oral):

> 5000 mg/kg rat

LC50 (Inhalation mists/powders):

0,139 mg/l/4h rat

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### SECTION 11. Toxicological information ... / >>

Titanium dioxide [in powder containing <1 % particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]  
LD50 (Oral): > 10000 mg/kg Rat

#### SKIN CORROSION / IRRITATION

Causes skin irritation

#### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

#### RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

#### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

#### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

Titanium dioxide [in powder containing <1 % particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]  
The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1% or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ .

#### REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

#### STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

#### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

#### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

### 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

### SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment.

#### 12.1. Toxicity

bis-[4-(2,3-epoxipropoxi)phenyl]propane

LC50 - for Fish	2 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	1,8 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	11 mg/l/72h Scenedesmus

SILICON DIOXIDE

LC50 - for Fish > 10000 mg/l/96h Brachyodanio rerio

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

LC50 - for Fish	2,54 mg/l/96h
EC50 - for Crustacea	2,55 mg/l/48h
EC50 - for Algae / Aquatic Plants	> 1000 mg/l/72h

## ME02A - EPOXY REGULAR PARTE A

### SECTION 12. Ecological information ... / >>

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

LC50 - for Fish	> 500 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	6,07 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	843,75 mg/l/72h Pseudokirchnerella

PROPYLENE CARBONATE

LC50 - for Fish	> 1000 mg/l/96h Cyprinus carpio
EC50 - for Crustacea	> 1000 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	> 900 mg/l/72h Scenedesmus subspicatus

#### 12.2. Persistence and degradability

bis-[4-(2,3-epoxipropoxy)phenyl]propane

Degradability: information not available

Titanium dioxide [in powder containing <1 % particles with aerodynamic diameter ≤ 10 µm]

Solubility in water < 0,001 mg/l

Degradability: information not available

CALCIUM CARBONATE

Solubility in water 0,1 - 100 mg/l

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

NOT rapidly degradable

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Rapidly degradable

PROPYLENE CARBONATE

Rapidly degradable

#### 12.3. Bioaccumulative potential

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

Partition coefficient: n-octanol/water 3,3

BCF 150

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

BCF 263

#### 12.4. Mobility in soil

Information not available

#### 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

#### 12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

#### 12.7. Other adverse effects

Information not available

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

# ME02A - EPOXY REGULAR PARTE A

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## SECTION 14. Transport information

### 14.1. UN number or ID number

ADR / RID, IMDG, IATA: UN 3082

ADR / RID: In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to ADR provisions.

IMDG: In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to IMDG Code provisions.

IATA: In accordance with SP A197, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to IATA dangerous goods regulations.

### 14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL F-EPICHLORHYDRIN (MW ≤700); bis-[4-(2,3-epoxipropoxi)phenyl]propane)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL F-EPICHLORHYDRIN (MW ≤700); bis-[4-(2,3-epoxipropoxi)phenyl]propane)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL F-EPICHLORHYDRIN (MW ≤700); bis-[4-(2,3-epoxipropoxi)phenyl]propane)

### 14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9

IMDG: Class: 9 Label: 9

IATA: Class: 9 Label: 9



### 14.4. Packing group

ADR / RID, IMDG, IATA: III

### 14.5. Environmental hazards

ADR / RID: Environmentally Hazardous

IMDG: Marine Pollutant

IATA: Environmentally Hazardous



### 14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 90 Special provision: 274, 335, 375, 601	Limited Quantities: 5 L	Tunnel restriction code: (-)
IMDG:	EMS: F-A, S-F	Limited Quantities: 5 L	
IATA:	Cargo: Passengers: Special provision:	Maximum quantity: 450 L Maximum quantity: 450 L A97, A158, A197, A215	Packaging instructions: 964 Packaging instructions: 964

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### SECTION 14. Transport information ... / >>

#### 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

### SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product	
Point	3 - 40
Contained substance	
Point	75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors  
not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

#### 15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances

bis-[4-(2,3-epoxipropoxy)phenyl]propane

BISPHENOL F-EPICHLORHYDRIN (MW  $\leq$ 700)

PROPYLENE CARBONATE

This safety data sheet contains one or more Exposure Scenarios in an integrated form. Contents have been included in sections 1.2, 8, 9, 12, 15 and 16 of this safety data sheet.

### SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Carc. 2</b>	Carcinogenicity, category 2
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>Skin Sens. 1</b>	Skin sensitization, category 1
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment, chronic toxicity, category 2
<b>H351</b>	Suspected of causing cancer.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>EUH205</b>	Contains epoxy constituents. May produce an allergic reaction.

Use descriptor system:

<b>ERC</b> 8b	Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
<b>ERC</b> 8e	Widespread use of reactive processing aid (no inclusion into or onto article, outdoor)
<b>PC</b> 1	Adhesives, sealants
<b>PROC</b> 10	Roller application or brushing

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### SECTION 16. Other information ... / >>

**PROC 11** Non industrial spraying  
**PROC 19** Manual activities involving hand contact

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
  2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
  3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
  4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
  5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
  6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
  7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
  8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
  9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
  10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
  11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
  12. Regulation (EU) 2016/1179 (IX Atp. CLP)
  13. Regulation (EU) 2017/776 (X Atp. CLP)
  14. Regulation (EU) 2018/669 (XI Atp. CLP)
  15. Regulation (EU) 2019/521 (XII Atp. CLP)
  16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
  17. Regulation (EU) 2019/1148
  18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
  19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
  20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
  21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
  22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
  23. Delegated Regulation (UE) 2023/707
- 
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - IFA GESTIS website
  - ECHA website

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### SECTION 16. Other information ... / >>

- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

#### CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

#### Changes to previous review:

The following sections were modified:

02 / 03 / 08 / 09 / 11 / 12.