

## 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: C000282  
Product name: Epoxy 230 Componente A  
UFI : TH60-E005-R004-X514

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

Intended use: formulato epossidico

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

Name: Licata S.p.A.  
Full address: Via De Gasperi,155  
District and Country: 92024 Canicatti (AG)  
Italia  
Tel.: +39 0922 856088  
Fax: +39 0922 831427  
e-mail address of the competent person responsible for the Safety Data Sheet: controllo-qualita@licataspa.it

#### 1.4. Emergency telephone number

For urgent inquiries refer to:  
NHS111in England: 111  
NHS24in Scotland: 111  
NHS Direct in Wales: 111 or 0845 4647  
In an emergency, if the patient has collapsed or is not breathing properly, call 999

### 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:

Reproductive toxicity, category 1B	H360F	May damage fertility.
Specific target organ toxicity - repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.
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.


#### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



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SECTION 2. Hazards identification ... / >>			
Signal words:	Danger		
Hazard statements:	<div><div>H360F</div><div>H373</div><div>H319</div><div>H315</div><div>H317</div><div>H411</div></div> <div>May damage fertility. May cause damage to organs through prolonged or repeated exposure. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects. Restricted to professional users.</div>		
Precautionary statements:	<div><div>P201</div><div>P308+P313</div><div>P273</div><div>P391</div><div>P280</div><div>P261</div><div>P264</div><div>P333+P313</div><div>P337+P313</div><div>P362+P364</div></div> <div>Obtain special instructions before use. IF exposed or concerned: Get medical advice / attention. Avoid release to the environment. Collect spillage. Wear protective gloves / clothing and face protection. Avoid breathing dust / fume / gas / mist / vapours / spray. Wash . . . thoroughly after handling. If skin irritation or rash occurs: Get medical advice / attention. If eye irritation persists: Get medical advice / attention. Take off contaminated clothing and wash it before reuse.</div>		
Contains:	OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS QUARTZ		
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)	
OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS			
INDEX	603-103-00-4	7 ≤ x < 8	Repr. 1B H360F, Eye Irrit. 2 H319, Skin Sens. 1 H317
EC	271-846-8		
CAS	68609-97-2		
REACH Reg.	01-2119485289-22-XXXX		
QUARTZ			
INDEX		2,5 ≤ x < 3	STOT RE 1 H372
EC	238-878-4		
CAS	14808-60-7		
XYLENE			
INDEX	601-022-00-9	1 ≤ x < 1,5	Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Chronic 3 H412, Classification note according to Annex VI to the CLP Regulation: C ATE Dermal: 1100 mg/kg, ATE Inhalation vapours: 11 mg/l
EC	215-535-7		
CAS	1330-20-7		
REACH Reg.	01-2119488216-32		
2-METHOXY-1-METHYLETHYL ACETATE			
INDEX	607-195-00-7	0,05 ≤ x < 0,1	Flam. Liq. 3 H226
EC	203-603-9		
CAS	108-65-6		
The full wording of hazard (H) phrases is given in section 16 of the sheet.			
EPY 11.7.1 - SDS 1004.14			

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<div>SECTION 4. First aid measures</div>		
<div>4.1. Description of first aid measures</div> <div><p>In case of doubt or in the presence of symptoms contact a doctor and show him this document.</p><p>In case of more severe symptoms, ask for immediate medical aid.</p><p>EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.</p><p>SKIN: Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.</p><p>INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.</p><p>INHALATION: Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.</p></div> <div><div>Rescuer protection</div><p>It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.</p></div> <div>4.2. Most important symptoms and effects, both acute and delayed</div> <div><p>Specific information on symptoms and effects caused by the product are unknown.</p><p>DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.</p></div> <div>4.3. Indication of any immediate medical attention and special treatment needed</div> <div><p>IF exposed or concerned: Get medical advice / attention.</p><div><div>Means to have available in the workplace for specific and immediate treatment</div><p>Running water for skin and eye wash.</p></div></div>		
<div>SECTION 5. Firefighting measures</div>		
<div>5.1. Extinguishing media</div> <div><div>SUITABLE EXTINGUISHING EQUIPMENT</div><p>The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.</p><div><div>UNSUITABLE EXTINGUISHING EQUIPMENT</div><p>None in particular.</p></div></div> <div>5.2. Special hazards arising from the substance or mixture</div> <div><div>HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE</div><p>Do not breathe combustion products.</p></div> <div>5.3. Advice for firefighters</div> <div><div>GENERAL INFORMATION</div><p>Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.</p><div><div>SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS</div><p>Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).</p></div></div>		
<div>SECTION 6. Accidental release measures</div>		
<div>6.1. Personal precautions, protective equipment and emergency procedures</div> <div><p>Block the leakage if there is no hazard.</p></div>		
		<div> EPY 11.7.1 - SDS 1004.14</div>

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SECTION 6. Accidental release measures ... / >>			
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.			
6.2. Environmental precautions			
The product must not penetrate into the sewer system or come into contact with surface water or ground water.			
6.3. Methods and material for containment and cleaning up			
Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.			
6.4. Reference to other sections			
Any information on personal protection and disposal is given in sections 8 and 13.			
SECTION 7. Handling and storage			
7.1. Precautions for safe handling			
Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.			
7.2. Conditions for safe storage, including any incompatibilities			
Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.			
2-METHOXY-1-METHYLETHYL ACETATE Store in an inert atmosphere, sheletered from moisture because it hydrolises easily.			
7.3. Specific end use(s)			
Information not available			
SECTION 8. Exposure controls/personal protection			
8.1. Control parameters			
Regulatory references:			
DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58	
ESP	España	Límites de exposición profesional para agentes químicos en España 2023	
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021	
HRV	Hrvatska	Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnimkemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)	
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81	
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)	
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)	
EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.	
	TLV-ACGIH	ACGIH 2023	
EPY 11.7.1 - SDS 1004.14			

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

OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				1,12	mg/l			
Normal value in marine water				0,112	mg/l			
Normal value for fresh water sediment				1,05	mg/kg			
Normal value for marine water sediment				0,105	mg/kg			
Normal value of STP microorganisms				10	mg/l			
Normal value for the terrestrial compartment				20	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				0,05 mg/kg bw/d				
Inhalation				0,087 mg/m3				0,49 mg/m3
Skin				0,089 mg/kg bw/d				0,75 mg/kg bw/d

XYLENE								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	220	50	440	100	SKIN		
MAK	DEU	220	50	440	100	SKIN		
VLA	ESP	221	50	442	100	SKIN		
VLEP	FRA	221	50	442	100	SKIN		
GVI/KGVI	HRV	221	50	442	100	SKIN		
VLEP	ITA	221	50	442	100	SKIN		
MV	SVN	221	50	442	100	SKIN		
WEL	GBR	220	50	441	100	SKIN		
OEL	EU	221	50	442	100	SKIN		
TLV-ACGIH			20					
Predicted no-effect concentration - PNEC								
Normal value in fresh water						0,327	mg/l	
Normal value in marine water						0,327	mg/l	
Normal value for fresh water sediment						12,46	mg/kg	
Normal value for marine water sediment						12,46	mg/kg	
Normal value of STP microorganisms						6,58	mg/l	
Normal value for the terrestrial compartment						2,31	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
Inhalation					442 mg/m3	442 mg/m3	221 mg/m3	221 mg/m3
Skin								212 mg/kg bw/d

2-METHOXY-1-METHYLETHYL ACETATE							
Threshold Limit Value							
Type	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
AGW	DEU	270	50	270	50		
MAK	DEU	270	50	270	50		
VLA	ESP	275	50	550	100	SKIN	
VLEP	FRA	275	50	550	100	SKIN	
GVI/KGVI	HRV	275	50	550	100	SKIN	
VLEP	ITA	275	50	550	100	SKIN	
MV	SVN	275	50	550	100	SKIN	
WEL	GBR	274	50	548	100	SKIN	
OEL	EU	275	50	550	100	SKIN	

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

QUARTZ						
Threshold Limit Value						
Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP		0,05			RESP
VLEP	FRA	0,1				RESP
GVI/KGVI	HRV	0,1				
VLEP	ITA	0,1				RESP
MV	SVN	0,15				RESP
OEL	EU	0,1				RESP
TLV-ACGIH		0,025				RESP

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.  
Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

**HAND PROTECTION**  
Protect hands with category III work gloves.  
The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.  
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

**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 airtight protective goggles (see standard EN ISO 16321).

**RESPIRATORY PROTECTION**  
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).  
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

**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	white	
Odour	characteristic	
Melting point / freezing point	not available	
Initial boiling point	not available	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	110 °C	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	not available	
Kinematic viscosity	not available	

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<div>SECTION 9. Physical and chemical properties ... / &gt;&gt;</div>		
<div> <div>Solubility</div> <div>insoluble in water</div> <div>Partition coefficient: n-octanol/water</div> <div>not available</div> <div>Vapour pressure</div> <div>not available</div> <div>Density and/or relative density</div> <div>not available</div> <div>Relative vapour density</div> <div>not available</div> <div>Particle characteristics</div> <div>not applicable</div> </div>		
<div>9.2. Other information</div>		
<div>9.2.1. Information with regard to physical hazard classes</div>		
<div>Information not available</div>		
<div>9.2.2. Other safety characteristics</div>		
<div> <div>VOC (Directive 2010/75/EU)</div> <div>1,30 %</div> <div>VOC (volatile carbon)</div> <div>1,16 %</div> </div>		
<div>SECTION 10. Stability and reactivity</div>		
<div>10.1. Reactivity</div>		
<div>There are no particular risks of reaction with other substances in normal conditions of use.</div>		
<div> <div>2-METHOXY-1-METHYLETHYL ACETATE</div> <div>Stable in normal conditions of use and storage.</div> <div>With the air it may slowly develop peroxides that explode with an increase in temperature.</div> </div>		
<div>10.2. Chemical stability</div>		
<div>The product is stable in normal conditions of use and storage.</div>		
<div> <div>QUARTZ</div> <div>Stable in normal conditions of use and storage.</div> </div>		
<div>10.3. Possibility of hazardous reactions</div>		
<div>The vapours may also form explosive mixtures with the air.</div>		
<div> <div>XYLENE</div> <div>Stable in normal conditions of use and storage.Reacts violently with: strong oxidants,strong acids,nitric acid,perchlorates.May form explosive mixtures with: air.</div> <div>2-METHOXY-1-METHYLETHYL ACETATE</div> <div>May react violently with: oxidising substances,strong acids,alkaline metals.</div> </div>		
<div>10.4. Conditions to avoid</div>		
<div>Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.</div>		
<div> <div>QUARTZ</div> <div>Decomposes if exposed to: sources of heat.</div> </div>		
<div>10.5. Incompatible materials</div>		
<div> <div>2-METHOXY-1-METHYLETHYL ACETATE</div> <div>Incompatible with: oxidising substances,strong acids,alkaline metals.</div> <div>QUARTZ</div> <div>Incompatible with: Oxidants.</div> </div>		
<div>10.6. Hazardous decomposition products</div>		
<div>In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.</div>		
<div>SECTION 11. Toxicological information</div>		
<div>11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008</div>		
<div> <div>Metabolism, toxicokinetics, mechanism of action and other information</div> <div></div> </div>		
<div> <div>EPY 11.7.1 - SDS 1004.14</div> </div>		

**C000282 - Epoxy 230 Componente A****SECTION 11. Toxicological information ... / >>****2-METHOXY-1-METHYLETHYL ACETATE**

The main route of entry is the skin, whereas the respiratory route is less important due to the low vapour pressure of the product.

Information on likely routes of exposure**XYLENE**

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air.

**2-METHOXY-1-METHYLETHYL ACETATE**

WORKERS: inhalation; contact with the skin.

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

Toxic effect on the central nervous system (encephalopathy); irritating for the skin, conjunctiva, cornea and respiratory apparatus.

**2-METHOXY-1-METHYLETHYL ACETATE**

Above 100 ppm causes irritation of the eye, nose and oropharynx mucous membranes. At 1000 ppm, disturbance of equilibrium and severe eye irritation can be noticed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation with direct contact. No chronic effects on humans have been reported (INCR, 2010).

Interactive effects**XYLENE**

Intake of alcohol interferes with the metabolism of the substance, inhibiting it. Ethanol consumption (0.8 g/kg) before a 4-hour exposure to xylene vapours (145 and 280 ppm) causes a 50% reduction in the excretion of methyl hippuric acid, whereas the concentration of xylenes in the blood increases approx. 1.5-2 times. At the same time there is an increase in the secondary side effects of the ethanol. The metabolism of the xylenes is increased by phenobarbital and 3-methyl-colantrene type enzyme inducers. Aspirin and xylenes mutually inhibit their conjugation with the glycine, which results in a decrease in urinary excretion of methyl hippuric acid. Other industrial products can interfere with the metabolism of xylenes.

ACUTE TOXICITY

ATE (Inhalation - vapours) of the mixture:	> 20 mg/l
ATE (Oral) of the mixture:	Not classified (no significant component)
ATE (Dermal) of the mixture:	>2000 mg/kg

**OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS**

LD50 (Dermal):	> 4000 mg/kg Coniglio
LD50 (Oral):	> 2000 mg/kg Ratto
LC50 (Inhalation vapours):	> 0,15 mg/l Ratto

**XYLENE**

LD50 (Dermal):	4350 mg/kg Rabbit
ATE (Dermal):	1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
LD50 (Oral):	3523 mg/kg Rat
LC50 (Inhalation vapours):	26 mg/l/4h Rat
ATE (Inhalation vapours):	11 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

**2-METHOXY-1-METHYLETHYL ACETATE**

LD50 (Dermal):	> 5000 mg/kg Rat
LD50 (Oral):	8530 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



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SECTION 11. Toxicological information ... / >>		
<div>GERM CELL MUTAGENICITY</div> <div>Does not meet the classification criteria for this hazard class</div> <div>CARCINOGENICITY</div> <div>Does not meet the classification criteria for this hazard class</div> <div>XYLENE</div> <div>Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC). The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".</div> <div>REPRODUCTIVE TOXICITY</div> <div>May damage fertility</div> <div>STOT - SINGLE EXPOSURE</div> <div>Does not meet the classification criteria for this hazard class</div> <div>STOT - REPEATED EXPOSURE</div> <div>May cause damage to organs</div> <div>ASPIRATION HAZARD</div> <div>Does not meet the classification criteria for this hazard class</div>		
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 has negative effects on the aquatic environment.		
12.1. Toxicity		
<div>OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS</div> <div>LC50 - for Fish &gt; 5000 mg/l/96h</div> <div>Chronic NOEC for Crustacea 56 mg/l Daphnia magna</div> <div>2-METHOXY-1-METHYLETHYL ACETATE</div> <div>LC50 - for Fish &gt; 100 mg/l/96h</div> <div>EC50 - for Crustacea 373 mg/l/48h</div>		
12.2. Persistence and degradability		
<div>XYLENE</div> <div>Solubility in water 100-1000 mg/l</div> <div>Rapidly degradable</div>		
12.3. Bioaccumulative potential		
<div>XYLENE</div> <div>Partition coefficient: n-octanol/water 3,12</div> <div>BCF 25,9</div>		
12.4. Mobility in soil		
Information not available		
EPY 11.7.1 - SDS 1004.14		

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SECTION 12. Ecological information ... / >>			
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 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. IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.			
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			
			
EPY 11.7.1 - SDS 1004.14			

**C000282 - Epoxy 230 Componente A****SECTION 14. Transport information** ... / >>**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	Limited Quantities: 5 lt	Tunnel restriction code: (-)
	Special provision: 274, 335, 375, 601		
IMDG:	EMS: F-A, S-F	Limited Quantities: 5 lt	
IATA:	Cargo:	Maximum quantity: 450 L	Packaging instructions: 964
	Passengers:	Maximum quantity: 450 L	Packaging instructions: 964
	Special provision:	A97, A158, A197, A215	

**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 not been performed for the preparation/for the substances indicated in section 3.

# C000282 - Epoxy 230 Componente A

## SECTION 16. Other information

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

<b>Flam. Liq. 3</b>	Flammable liquid, category 3
<b>Repr. 1B</b>	Reproductive toxicity, category 1B
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>STOT RE 1</b>	Specific target organ toxicity - repeated exposure, category 1
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>STOT RE 2</b>	Specific target organ toxicity - repeated exposure, category 2
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Skin Sens. 1</b>	Skin sensitization, category 1
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment, chronic toxicity, category 2
<b>Aquatic Chronic 3</b>	Hazardous to the aquatic environment, chronic toxicity, category 3
<b>H226</b>	Flammable liquid and vapour.
<b>H360F</b>	May damage fertility.
<b>H312</b>	Harmful in contact with skin.
<b>H332</b>	Harmful if inhaled.
<b>H372</b>	Causes damage to organs through prolonged or repeated exposure.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>H412</b>	Harmful to aquatic life with long lasting effects.

### 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

**C000282 - Epoxy 230 Componente A****SECTION 16. Other information ... / >>**

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
24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
24. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)

- 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
- 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:

01 / 02 / 03 / 08 / 09 / 10 / 11 / 12 / 16.