

Safety Data Sheet

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

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

1.1. Product identifier

Code: P10456
Product name: RESINFIP EPOBOND T 170 COMP. B
UFI: H3U0-T0CP-J00X-RYVU

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

Intended use: Adhesive 230 st Member B

1.3. Details of the supplier of the safety data sheet

Name: Licata S.p.A.
Full address: Via dei Mille 32
District and Country: 00185 Roma (RM)
Italy
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:
NHS111 in England: 111
NHS24 in 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.
Skin corrosion, category 1B	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, acute toxicity, category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment, chronic toxicity, category 1	H410	Very 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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P10456 - RESINFIP EPOBOND T 170 COMP. B			
SECTION 2. Hazards identification ... / >>			
Signal words:		Danger	
Hazard statements:		<div>H360FMay damage fertility.</div> <div>H314Causes severe skin burns and eye damage.</div> <div>H335May cause respiratory irritation.</div> <div>H317May cause an allergic skin reaction.</div> <div>H410Very toxic to aquatic life with long lasting effects.</div> <div>EUH071Corrosive to the respiratory tract.</div> <div>Restricted to professional users.</div>	
Precautionary statements:		<div>P260Do not breathe dust / fume / gas / mist / vapours / spray.</div> <div>P201Obtain special instructions before use.</div> <div>P305+P351+P338IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</div> <div>P303+P361+P353IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</div> <div>P280Wear protective gloves/ protective clothing / eye protection / face protection.</div> <div>P310Immediately call a POISON CENTER / doctor / . . .</div>	
Contains:		<div>Alchilfenolo</div> <div>N-Aminoethylpiperazine</div> <div>M-PHENYLENEBIS (METHYLAMINE)</div> <div>FELDSPATO</div> <div>Triethylenetetramine</div>	
<div>The product is classified both in acute and long-term aquatic hazard categories: it is possible to use only hazard statement H410 on the label.</div>			
2.3. Other hazards			
<div>On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.</div> <div>The product contains substances with endocrine disrupting properties in concentration \geq 0,1%: Alchilfenolo</div>			
SECTION 3. Composition/information on ingredients			
3.2. Mixtures			
Contains:			
Identification		x = Conc. %	Classification (EC) 1272/2008 (CLP)
FELDSPATO			
INDEX		45 \leq x < 47,5	Eye Irrit. 2 H319, STOT SE 3 H335
EC270-666-7			
CAS68476-25-5			
M-PHENYLENEBIS (METHYLAMINE)			
INDEX		9 \leq x < 10,5	Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1B H317, Aquatic Chronic 3 H412, EUH071 LD50 Oral: 930 mg/kg, ATE Inhalation vapours: 11 mg/l
EC216-032-5			
CAS1477-55-0			
REACH Reg. 01-2119480150-50-XXXX			
Alchilfenolo			
INDEX		604-092-00-98 \leq x < 9	Repr. 1B H360F, Skin Corr. 1C H314, Eye Dam. 1 H318, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=10
EC310-154-3			
CAS121158-58-5			
REACH Reg. 01-2119513207-49-XXXX			
N-Aminoethylpiperazine			
INDEX		612-105-00-48 \leq x < 9	Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Chronic 3 H412 ATE Oral: 500 mg/kg, ATE Dermal: 1100 mg/kg
EC205-411-0			
CAS140-31-8			

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

REACH Reg. 01-2119471486-30-XXXX

QUARTZ

INDEX 5 ≤ x < 6

Substance with a community workplace exposure limit.

EC 238-878-4

CAS 14808-60-7

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

INDEX 4 ≤ x < 5

Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315

EC 202-013-9

CAS 90-72-2

Triethylenetetramine

INDEX 2 ≤ x < 3

Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1B H314, Eye Dam. 1

EC 292-588-2

CAS 90640-67-8

REACH Reg. 01-2119487919-13-xxxx

QUARTZ

INDEX 0,5 ≤ x < 0,8

STOT RE 1 H372

EC 238-878-4

CAS 14808-60-7

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

SECTION 4. First aid measures

4.1. Description of first aid measures

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

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.

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.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Rinse your mouth with running water. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

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.

Rescuer protection

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.

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

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

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

Immediately call a POISON CENTER / doctor / . . .

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

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SECTION 5. Firefighting measures ... / >>											
<div>5.2. Special hazards arising from the substance or mixture</div> <div>HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE</div> <div>Do not breathe combustion products.</div> <div>5.3. Advice for firefighters</div> <div>GENERAL INFORMATION</div> <div>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.</div> <div>SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS</div> <div>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).</div>											
SECTION 6. Accidental release measures											
<div>6.1. Personal precautions, protective equipment and emergency procedures</div> <div>Block the leakage if there is no hazard.</div> <div>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.</div> <div>6.2. Environmental precautions</div> <div>The product must not penetrate into the sewer system or come into contact with surface water or ground water.</div> <div>6.3. Methods and material for containment and cleaning up</div> <div>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.</div> <div>Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.</div> <div>6.4. Reference to other sections</div> <div>Any information on personal protection and disposal is given in sections 8 and 13.</div>											
SECTION 7. Handling and storage											
<div>7.1. Precautions for safe handling</div> <div>Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.</div> <div>7.2. Conditions for safe storage, including any incompatibilities</div> <div>Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.</div> <div>7.3. Specific end use(s)</div> <div>Information not available</div>											
SECTION 8. Exposure controls/personal protection											
<div>8.1. Control parameters</div> <div>Regulatory references:</div> <table><tr><td>ESP</td><td>España</td><td>Límites de exposición profesional para agentes químicos en España 2024</td></tr><tr><td>FRA</td><td>France</td><td>Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021</td></tr><tr><td>HRV</td><td>Hrvatska</td><td>PRAVILNIK O IZMJENAMA I DOPUNAMA PRAVILNIKA O ZAŠTITI RADNIKA OD IZLOŽENOSTI OPASNIM KEMIČALIJAMA NA RADU, GRANIČNIM VRIJEDNOSTIMA IZLOŽENOSTI I BIOLOŠKIM GRANIČNIM VRIJEDNOSTIMA</td></tr></table>			ESP	España	Límites de exposición profesional para agentes químicos en España 2024	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 OPASNIM KEMIČALIJAMA NA RADU, GRANIČNIM VRIJEDNOSTIMA IZLOŽENOSTI I BIOLOŠKIM GRANIČNIM VRIJEDNOSTIMA
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<div>EPY 11.9.0 - SDS 1004.14</div>											

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SECTION 8. Exposure controls/personal protection ... / >>										
Triethylenetetramine										
Predicted no-effect concentration - PNEC										
Normal value in fresh water						0,19	mg/l			
Normal value in marine water						0,038	mg/l			
Normal value for fresh water sediment						95,9	mg/kg			
Normal value for marine water sediment						19,2	mg/kg			
Normal value for the terrestrial compartment						19,1	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		20 mg/kg bw/d		0,41 mg/kg bw/d						
Inhalation		1600 mg/m3				5380 mg/m3		10 mg/m3		
Skin			0,43 mg/cm2	0,25 mg/kg bw/d			0,028 mg/cm2	0,57 mg/kg bw/d		
M-PHENYLENEBIS (METHYLAMINE)										
Threshold Limit Value										
Type	Country	TWA/8h		STEL/15min		Remarks / Observations				
		mg/m3	ppm	mg/m3	ppm					
VLEP	FRA			0,1						
MV	SVN	0,1								
Predicted no-effect concentration - PNEC										
Normal value in fresh water						0,094	mg/l			
Normal value in marine water						0,0094	mg/l			
Normal value for fresh water sediment						12,4	mg/kg			
Normal value for marine water sediment						1,24	mg/kg			
Normal value for water, intermittent release						0,152	mg/l			
Normal value of STP microorganisms						10	mg/l			
Normal value for the terrestrial compartment						2,44	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		
Inhalation							0,2 mg/m3	1,2 mg/m3		
Skin								0,33 mg/kg bw/d		
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	0,05				RESP				
OEL	EU	0,1				RESP				
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				

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SECTION 9. Physical and chemical properties ... / >>				
Initial boiling point	>	200	°C	
Flammability		not available		
Lower explosive limit		not available		
Upper explosive limit		not available		
Flash point	>	100	°C	
Auto-ignition temperature		not available		
Decomposition temperature		not available		
pH		11		
Kinematic viscosity		not available		
Solubility		not available		
Partition coefficient: n-octanol/water		not available		
Vapour pressure		not available		
Density and/or relative density		1,63		
Relative vapour density		not available		
Particle characteristics		not applicable		
Supplementary information for nanoforms				
AMORPHOUS SILICATE HYDRATE (nanoform)				
Denomination		CAB-O-SIL M-5		
Other identifier		Biossido di silicio,Silice sintetica Amorfa		
Shape 1:				
Category		spheroidal		
Shape		spherical		
D10		7 - 15	nm	
D50		2 - 30	nm	
D90		10 - 35	nm	
Specific surface area by mass		50 - 450	m2/g	
MINEMA 1-2-44				
Shape 1:				
D50		5	µm	
Crystallinity				
Crystalline structure 1:				
Surface functionalisation / treatment				
Surface treatments 1:				
9.2. Other information				
9.2.1. Information with regard to physical hazard classes				
Information not available				
9.2.2. Other safety characteristics				
VOC (Directive 2010/75/EU)	4,72 %	-	77,08	g/litre
VOC (volatile carbon)	3,20 %	-	52,25	g/litre
SECTION 10. Stability and reactivity				
10.1. Reactivity				
There are no particular risks of reaction with other substances in normal conditions of use.				
N-Aminoethylpiperazine				
Stable in normal conditions of use and storage.				
10.2. Chemical stability				
The product is stable in normal conditions of use and storage.				
N-Aminoethylpiperazine				
Stable in normal conditions of use and storage.				
QUARTZ				
Stable in normal conditions of use and storage.				
EPY 11.9.0 - SDS 1004.14				

SECTION 10. Stability and reactivity ... / >>**10.3. Possibility of hazardous reactions**

No hazardous reactions are foreseeable in normal conditions of use and storage.

Triethylenetetramine

It can generate flammable gases in contact with elementary metals (alkali and alkaline lands), strong reducing agents. It can generate toxic gases in contact with oxidizing mineral acids, halogen organic substances, peroxides and organic waterprovides, strong oxidizing agents. It can inflame in contact with strong oxidants.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

QUARTZ

Decomposes if exposed to: sources of heat.

10.5. Incompatible materials**N-Aminoethylpiperazine**

Incompatible with: oxidising agents,metals,Nitrous acid,nitric acid,Other nitrogen-forming agents,Combustible material.

QUARTZ

Incompatible with: Oxidants.

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**N-Aminoethylpiperazine**

- 2-piperazin-1-ylethylamine (CAS 140-31-8):

Test: LD50 - Via: Skin - Species: Rabbit = 866-1260 mg / kg

Test: LD50 - Via: Oral - Species: Rat = 1470 to 2140 mg / kg

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 - vapours) of the mixture:

> 20 mg/l

ATE (Oral) of the mixture:

>2000 mg/kg

ATE (Dermal) of the mixture:

>2000 mg/kg

Corrosive to the respiratory tract.

FELDSPATO

LD50 (Dermal):

> 2000 mg/kg Rat

LD50 (Oral):

> 2000 mg/kg Rat

LC50 (Inhalation mists/powders):

> 5,07 mg/l Rat

SECTION 11. Toxicological information ... / >>

MINEMA 1-2-44

LD50 (Dermal):	> 2000 mg/kg Ratto
LD50 (Oral):	> 2000 mg/kg Ratto
LC50 (Inhalation mists/powders):	> 3 mg/l/4h Ratto

M-PHENYLENEBIS (METHYLAMINE)

LD50 (Dermal):	> 3100 mg/kg Rat
LD50 (Oral):	930 mg/kg Rat - Sprague-Dawley
LC50 (Inhalation vapours):	1,34 mg/l/4h Ratto
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)

Alchilfenolo

LD50 (Dermal):	15000 mg/kg Rabbit
LD50 (Oral):	2140 mg/kg Rat

N-Aminoethylpiperazine

LD50 (Dermal):	866 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):	2140 mg/kg Rat
ATE (Oral):	500 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)

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

LD50 (Oral):	2169 mg/kg RATTO
ATE (Oral):	500 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)

Triethylenetetramine

LD50 (Dermal):	> 1000 mg/kg Rabbit
LD50 (Oral):	> 300 mg/kg Rat

SKIN CORROSION / IRRITATION

Corrosive for the skin

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

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

REPRODUCTIVE TOXICITY

May damage fertility

STOT - SINGLE EXPOSURE

May cause respiratory irritation

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

P10456 - RESINFIP EPOBOND T 170 COMP. B**SECTION 11. Toxicological information ... / >>****11.2. Information on other hazards**

Based on the available data, the product contains the following endocrine disruptors in concentrations of 0.1% or greater by weight that may have endocrine disrupting effects on humans and cause adverse effects on the exposed individual or his or her progeny:
 Alchilfenolo

SECTION 12. Ecological information

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

12.1. Toxicity**MINEMA 1-2-44**

LC50 - for Fish > 100 mg/l/96h
 Chronic NOEC for Algae / Aquatic Plants > 14 mg/l

M-PHENYLENEBIS (METHYLAMINE)

LC50 - for Fish 87,6 mg/l/96h *Oryzias latipes*
 EC50 - for Crustacea 15,2 mg/l/48h *Daphnia magna*
 EC50 - for Algae / Aquatic Plants 26,8 mg/l/72h
 Chronic NOEC for Crustacea 4,7 mg/l
 Chronic NOEC for Algae / Aquatic Plants 16,7 mg/l

Alchilfenolo

LC50 - for Fish 40 mg/l/96h
 EC50 - for Crustacea 0,065 mg/l/48h
 EC50 - for Algae / Aquatic Plants 0,36 mg/l/72h
 EC10 for Crustacea 0,056 mg/l/48h
 EC10 for Algae / Aquatic Plants 0,07 mg/l/72h
 Chronic NOEC for Fish 25 mg/l
 Chronic NOEC for Crustacea 0,011 mg/l
 Chronic NOEC for Algae / Aquatic Plants 0,07 mg/l

N-Aminoethylpiperazine

LC50 - for Fish 2190 mg/l/96h
 EC50 - for Crustacea 58 mg/l/48h
 EC50 - for Algae / Aquatic Plants 1000 mg/l/72h
 LC10 for Fish 1030 mg/l/96h
 Chronic NOEC for Fish 1030 mg/l
 Chronic NOEC for Crustacea 10 mg/l
 - 2-piperazin-1-ylethylamine (CAS 140-31-8):

Test: LC50 - Species: Fish - h Duration: 96 - mg / l: 1800

Te t: EC50 - Species: *Daphnia* - h Duration: 48 - mg / l: 58

Test: LC50 - Species: Algae - h Duration: 72 - mg / l: 494

Test: EC50 - Species: Algae - mg / l: 1000

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

LC50 - for Fish 100 mg/l/96h
 EC50 - for Crustacea 100 mg/l/48h
 EC50 - for Algae / Aquatic Plants 46,7 mg/l/72h
 LC10 for Fish 100 mg/l/96h
 EC10 for Crustacea 100 mg/l/48h
 EC10 for Algae / Aquatic Plants 25,1 mg/l/72h
 Chronic NOEC for Algae / Aquatic Plants 25,1 mg/l

Triethylenetetramine

LC50 - for Fish > 100 mg/l/96h *Pimephales promelas*
 EC50 - for Crustacea > 10 mg/l/48h *Daphnia Magna*
 EC50 - for Algae / Aquatic Plants > 10 mg/l/72h

12.2. Persistence and degradability

SECTION 12. Ecological information ... / >>

FELDSPATO

Degradability: information not available

Sostanza inorganica

MINEMA 1-2-44

Solubility in water

50,05 mg/l 0,1-100

Degradability: information not available

Sostanza inorganica

M-PHENYLENEBIS (METHYLAMINE)

Solubility in water

100 mg/l

NOT rapidly degradable

Alchilfenolo

Solubility in water

1,54 mg/l

NOT rapidly degradable

N-Aminoethylpiperazine

Solubility in water

100000 mg/l

NOT rapidly degradable

QUARTZ

Degradability: information not available

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

Solubility in water

850000 mg/l

NOT rapidly degradable

Triethylenetetramine

NOT rapidly degradable

QUARTZ

Degradability: information not available

12.3. Bioaccumulative potential

M-PHENYLENEBIS (METHYLAMINE)

Partition coefficient: n-octanol/water

0,18 Log Kow

Alchilfenolo

Partition coefficient: n-octanol/water

7,14 Log Kow

BCF

823

N-Aminoethylpiperazine

Partition coefficient: n-octanol/water

-1,48 Log Kow

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

Partition coefficient: n-octanol/water

0,66 Log Kow

Triethylenetetramine

Partition coefficient: n-octanol/water

-2,65 Log Kow

12.4. Mobility in soil

M-PHENYLENEBIS (METHYLAMINE)

Partition coefficient: soil/water

1,288

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 \geq than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product contains the following endocrine disruptors in concentrations of 0.1% or greater by weight that may have endocrine disrupting effects on the environment and on animal species causing adverse effects on the exposed organisms or on their progeny:

Alchilfenolo

SECTION 12. Ecological information ... / >>

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.

The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.

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 3267

14.2. UN proper shipping name

ADR / RID: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (M-PHENYLENEBIS (METHYLAMINE) ; Alchilfenolo)

IMDG: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (M-PHENYLENEBIS (METHYLAMINE) ; Alchilfenolo)

IATA: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (M-PHENYLENEBIS (METHYLAMINE) ; Alchilfenolo)

14.3. Transport hazard class(es)

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA: Class: 8 Label: 8



14.4. Packing group

ADR / RID, IMDG, IATA: II

14.5. Environmental hazards

ADR / RID: Environmentally Hazardous

IMDG: Marine Pollutant

IATA: NO



For Air transport, environmentally hazardous mark is only mandatory for UN 3077 and UN 3082.

SECTION 14. Transport information ... / >>

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 80	Limited Quantities: 1 lt	Tunnel restriction code: (E)
IMDG:	Special provision: 274	Limited Quantities: 1 lt	
IATA:	EMS: F-A, S-B	Maximum quantity: 30 L	Packaging instructions: 855
	Cargo:	Maximum quantity: 1 L	Packaging instructions: 851
	Passengers:	A3, A803	
	Special provision:		

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: E1

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

Product		
Point	3	
Contained substance		
Point	75	
Point	30	Alchilfenolo REACH Reg.: 01-2119513207-49-XXXX

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

Substances in Candidate List (Art. 59 REACH)

Alchilfenolo

REACH Reg.: 01-2119513207-49-XXXX

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.

SECTION 16. Other information

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

Repr. 1B	Reproductive toxicity, category 1B
Acute Tox. 4	Acute toxicity, category 4
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
Skin Corr. 1B	Skin corrosion, category 1B
Skin Corr. 1C	Skin corrosion, category 1C
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1

P10456 - RESINFIP EPOBOND T 170 COMP. B**SECTION 16. Other information ... / >>**

Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H360F	May damage fertility.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

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)

SECTION 16. Other information ... / >>

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
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26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)
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- 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 / 13 / 14 / 16.