



InLei® & Light Lashes®
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InLei® BROWN - Eyelash and eyebrow tint
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Safety Data Sheet

Complies with Annex II of REACH - Regulation (EU) 2020/878

Information Sheet for finished cosmetic products

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

1.1. Product identifier

Product name **InLei® BROWN - Eyelash and eyebrow tint**

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

Intended use **not available**

1.3. Details of the supplier of the safety data sheet

Name: **SELITA SRL**
Full address: **via Nicolò Rezzara,15**
District and Country: **24020 Ranica (Bergamo)**
Italia

Contacts: **Tel. +39035511355**
Cell. +393895618546

e-mail address: **info@selitasrl.com**

1.4. Emergency telephone number

For urgent information, please contact

+39 035 511355/+39 389 5618546 (Mon-Fri 9:00-18:00). Provides initial technical support. National Poisons Information Center (UK): 0344 892 0111 for healthcare professionals only Vergiftungsinformationszentrale (VIZ) (Austria): +43 1 406 43 43 National Poisons Information Center (Ireland): +353 (0)1 809 2566 (for professionals) or +353 (0)1 809 2166 (public) Italian National Institute of Health (ISS) – (Italy): +39 0382 24444 (Pavia); +39 06 3054343 (Rome) Swedish Poisons Information Center (Sweden): +46 10 456 6750 French Poison and toxicovigilance (France): + 33 3 83 85 21 92

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is a cosmetic product and as such is not subject to the obligation of having a safety data sheet in accordance with the REACH Regulation and being classified in accordance to the CLP Regulation.

Hazard classification and indication: --

2.2. Label elements

The product is exempt from the labelling obligation in accordance with the CLP Regulation.

Hazard pictograms: --

Signal words: --

Precautionary statements:

Hazard statements: --

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
Alcohols, -C16-18		
INCI CETEARYL ALCOHOL		
INDEX -	$12 \leq x < 13,5$	Aquatic Chronic 3 H412
EC 267-008-6		
CAS 67762-27-0		
REACH Reg. 01-2120092297-47-xxxx		
Alcohols, C16-18, ethoxylated		
INCI CETEARETH-20 , CETEARETH-30, CETARETH-12, CETEARETH -25, CETEARETH-2		
INDEX -	$7 \leq x < 8$	Eye Irrit. 2 H319, Aquatic Chronic 3 H412
EC 500-212-8		
CAS 68439-49-6		
p-phenylenediamine		
INCI P-PHENYLENEDIAMINE		
INDEX -	$1,5 \leq x < 2$	Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, Eye Irrit. 2 H319, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1 LD50 Oral: 137 mg/kg, ATE Dermal: 300 mg/kg, ATE Inhalation mists/powders: 0,501 mg/l
EC 203-404-7		
CAS 106-50-3		
REACH Reg. 01-2119471483-36-XXXX		
Amides, coco, N- (hydroxyethyl)		
INCI COCAMIDE MEA		
INDEX -	$1,5 \leq x < 2$	Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 2 H411
EC 268-770-2		
CAS 68140-00-1		
REACH Reg. 01-2119490101-51-XXXX		
ETHANOLAMINE		
INCI ETHANOLAMINE		
INDEX 603-030-00-8	$1,5 \leq x < 2$	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Chronic 3 H412 STOT SE 3 H335: $\geq 5\%$ LD50 Oral: 1089 mg/kg, ATE Dermal: 1100 mg/kg, ATE Inhalation vapours: 11 mg/l
EC 205-483-3		
CAS 141-43-5		
REACH Reg. 01-2119486455-28-xxxx		
resorcinol		
INCI RESORCINOL		
INDEX 604-010-00-1	$0,8 \leq x < 0,9$	STOT SE 1 H370, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412 LD50 Oral: 510 mg/kg
EC 203-585-2		
CAS 108-46-3		
REACH Reg. 01-2119480136-40-XXXX		
4-aminophenol		
INCI P-AMINOPHENOL		
INDEX 612-128-00-X	$0,45 \leq x < 0,5$	Muta. 2 H341, Acute Tox. 4 H302, Acute Tox. 4 H332, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1 LD50 Oral: 670 mg/kg, LC50 Inhalation mists/powders: $>3,4$ mg/l/4h
EC 204-616-2		
CAS 123-30-8		
REACH Reg. 01-2119535388-31-0003		
2- (2,4-diaminophenoxy) ethanol dihydrochloride		

INCI 2,4-DIAMINOPHENOXYETHANOL HCL			
INDEX -	$0,1 \leq x < 0,15$	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Sens. 1B H317, Aquatic Chronic 2 H411	LD50 Oral: 1000 mg/kg
EC 266-357-1			
CAS 66422-95-5			
REACH Reg. 01-2120011817-60-0000			
ETHYL ACETATE			
INCI ETHYL ACETATE			
INDEX 607-022-00-5	$0 < x < 0,05$	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066	
EC 205-500-4			
CAS 141-78-6			
REACH Reg. 01-2119475103-46-XXXX			
ISOBUTYL ACETATE			
INCI ISOBUTYL ACETATE			
INDEX 607-026-00-7	$0 < x < 0,05$	Flam. Liq. 2 H225, EUH066, Classification note according to Annex VI to the CLP Regulation: C	
EC 203-745-1			
CAS 110-19-0			
REACH Reg. 01-2119488971-22-XXXX			
TOLUENE			
INCI TOLUENE			
INDEX 601-021-00-3	$0 < x < 0,05$	Flam. Liq. 2 H225, Repr. 2 H361d, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 3 H412	
EC 203-625-9			
CAS 108-88-3			
REACH Reg. 01-2119471310-51-XXXX			
METHANOL			
INDEX 603-001-00-X	$0 < x < 0,05$	Flam. Liq. 2 H225, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT SE 1 H370	STOT SE 2 H371: $\geq 3\%$ - $< 10\%$
EC 200-659-6			
CAS 67-56-1		ATE Oral: 100 mg/kg, ATE Dermal: 300 mg/kg, ATE Inhalation vapours: 3 mg/l	
PHENOL			
INDEX 604-001-00-2	$0 < x < 0,05$	Muta. 2 H341, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT RE 2 H373, Skin Corr. 1B H314, Eye Dam. 1 H318	Skin Corr. 1B H314: $\geq 3\%$, Skin Irrit. 2 H315: $\geq 1\%$ - $< 3\%$
EC 203-632-7			
CAS 108-95-2		LD50 Oral: 282 mg/kg, LD50 Dermal: 660 mg/kg, ATE Inhalation mists/powders: 0,501 mg/l	
BENZENE			
INDEX 601-020-00-8	$0 < x < 0,05$	Flam. Liq. 2 H225, Carc. 1A H350, Muta. 1B H340, STOT RE 1 H372, Asp. Tox. 1 H304, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Aquatic Chronic 3 H412	
EC 200-753-7			
CAS 71-43-2			

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. 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

If symptoms occur, whether acute or delayed, consult a 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.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

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.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

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).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

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

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.

7.2. Conditions for safe storage, including any incompatibilities

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.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

DEU	Deutschland	WirkungDosisNOAELMAK-und BAT-Werte-Liste 2024 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe
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
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ``σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία``»
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Regeling van de Minister van Sociale Zaken en Werkgelegenheid van 13 mei2024, nr. 2024-0000092805, tot wijziging van deArbeidsomstandighedenregeling in verband met de implementatie vanRichtlijn 2022/431
POL	Polska	ROZPORZĄDZENIE MINISTRA RODZINY, PRACY I POLITYKI SPOŁECZNEJ z dnia 24 czerwca 2024 r. zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
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.
	ACGIH	ACGIH 2025

BENZENE

Threshold Limit Value					
Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
VLA	ESP	3,25	1		SKIN
VLEP	FRA	1,65	0,5		SKIN
TLV	GRC	1,65	0,5		SKIN
VLEP	ITA	0,66	0,2		SKIN
TGG	NLD	0,66	0,2		SKIN
NDS/NDSch	POL	0,66	0,2		SKIN
WEL	GBR	3,25	1		SKIN
OEL	EU	0,66	0,2		SKIN
ACGIH			0,02		SKIN

TOLUENE

Threshold Limit Value					
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Type	Country	TWA/8h	STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm
AGW	DEU	190	50	760	200
MAK	DEU	190	50	380	100
VLA	ESP	192	50	384	100
VLEP	FRA	76,8	20	384	100
TLV	GRC	192	50	384	100
VLEP	ITA	192	50	384	100
TGG	NLD	150		384	
NDS/NDSch	POL	100		200	SKIN
WEL	GBR	191	50	384	100
OEL	EU	192	50	384	100
ACGIH			20		

METHANOL

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm
AGW	DEU	130	100	260	200
MAK	DEU	130	100	260	200
VLA	ESP	266	200		SKIN
VLEP	FRA	260	200		SKIN
TLV	GRC	260	200	325	250
VLEP	ITA	260	200		SKIN
TGG	NLD	133			SKIN
NDS/NDSch	POL	100		300	SKIN
WEL	GBR	266	200	333	250
OEL	EU	260	200		
ACGIH		262	200	328	250

ETHANOLAMINE

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm
AGW	DEU	0,5	0,2	0,5	0,2
MAK	DEU	0,51	0,2	0,51	0,2
VLA	ESP	2,5	1	7,5	3
VLEP	FRA	2,5	1	7,6	3
TLV	GRC	2,5	1	7,6	3
VLEP	ITA	2,5	1	7,6	3
TGG	NLD	2,5		7,6	SKIN
NDS/NDSch	POL	2,5		7,5	SKIN
WEL	GBR	2,5	1	7,6	3
OEL	EU	2,5	1	7,6	3
ACGIH		7,5	3	15	6

ETHYL ACETATE

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm
AGW	DEU	730	200	1460	400
MAK	DEU	750	200	1500	400
VLA	ESP	734	200	1468	400
VLEP	FRA	734	200	1468	400

TLV	GRC	734	200	1468	400
VLEP	ITA	734	200	1468	400
TGG	NLD	734		1468	
NDS/NDSch	POL	734	200	1468	400
WEL	GBR	734	200	1468	400
OEL	EU	734	200	1468	400
ACGIH		1441	400		

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,24	mg/l
Normal value in marine water	0,024	mg/l
Normal value for fresh water sediment	1,15	mg/kg
Normal value for marine water sediment	0,115	mg/kg
Normal value for water, intermittent release	1,65	mg/l
Normal value of STP microorganisms	650	mg/l
Normal value for the terrestrial compartment	0,148	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				4,5 mg/kg bw/d				734 mg/kg bw/d
Inhalation				367 mg/m3	1468 mg/m3	1468 mg/m3		
Skin				37 mg/kg bw/d				63 mg/kg bw/d

ISOBUTYL ACETATE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	300	62	600	124	
MAK	DEU	480	100	960	200	
VLA	ESP	241	50	723	150	
VLEP	FRA	241	50	723	150	
TLV	GRC	950	200	950	200	
VLEP	ITA	241	50	723	150	
TGG	NLD	480				
NDS/NDSch	POL	240		720		
WEL	GBR	724	150	903	187	
OEL	EU	241	50	723	150	
ACGIH			50		150	

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,17	mg/l
Normal value in marine water	0,017	mg/l
Normal value for fresh water sediment	0,877	mg/kg
Normal value for marine water sediment	0,088	mg/kg
Normal value for water, intermittent release	0,34	mg/l
Normal value of STP microorganisms	200	mg/l
Normal value for the terrestrial compartment	0,075	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				5 mg/kg bw/d				
Inhalation				35,7 mg/m3		600 mg/m3		300 mg/m3

Skin

5 mg/kg bw/d

10 mg/kg
bw/d10 mg/kg
bw/d**PHENOL****Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m3	ppm	
AGW	DEU	8	2	SKIN 11
VLA	ESP	8	2	SKIN
VLEP	FRA	7,8	2	SKIN
TLV	GRC	8	2	SKIN
VLEP	ITA	8	2	SKIN
TGG	NLD	8		SKIN
NDS/NDSch	POL	7,8	16	SKIN
WEL	GBR	7,8	2	SKIN
OEL	EU	8	2	SKIN
ACGIH		19,2	5	SKIN

p-phenylenediamine**Predicted no-effect concentration - PNEC**

Normal value in fresh water	0,001	mg/l
Normal value for fresh water sediment	0,002	mg/kg
Normal value of STP microorganisms	0,334	mg/l

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				0,16 mg/kg bw/d				
Inhalation				0,06 mg/m3				0,23 mg/kg
Skin				0,16 mg/kg bw/d				0,32 mg/kg bw/d

Amides, coco, N- (hydroxyethyl)**Predicted no-effect concentration - PNEC**

Normal value in fresh water	0,007	mg/l
Normal value in marine water	0,0007	mg/l
Normal value for fresh water sediment	1,01	mg/kg/d
Normal value for marine water sediment	0,101	mg/kg/d
Normal value of STP microorganisms	830	mg/l

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				6,25 mg/kg bw/d				
Inhalation				21,7 mg/m3				73,4 mg/m3
Skin			0,056 mg/cm2				0,09 mg/cm2	4,16 mg/kg bw/d

resorcinol**Predicted no-effect concentration - PNEC**

Normal value in fresh water	0,017	mg/l
Normal value in marine water	0,002	mg/l
Normal value for fresh water sediment	0,08	mg/kg
Normal value for marine water sediment	0,008	mg/kg
Normal value of STP microorganisms	0,79	mg/l

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				0,4 mg/kg bw/d				

Inhalation	1,4 mg/m ³	5,6 mg/m ³
Skin	20 mg/kg bw/d	40 mg/kg bw/d

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

Ensure good ventilation in the workplace; do not drink, smoke and eat during use.

HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374). Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

EYE PROTECTION

Wear eye/face protection if there is a possibility of splashes.

SECTION 9. Physical and chemical properties

Properties	Value	Information
Appearance	cream / cream	
Colour	ivory	
Odour	characteristic	
Flash point	> 60 °C	
pH	9,5 - 10,5	
Density and/or relative density	0,925 - 0,975	

SECTION 10. Stability and reactivity

10.1. Reactivity

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

TOLUENE

Avoid exposure to: light.

ETHYL ACETATE

Decomposes slowly into acetic acid and ethanol under the effect of light, air and water.

ISOBUTYL ACETATE

Decomposes under the effect of heat. Attacks various types of plastic materials.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

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

TOLUENE

Risk of explosion on contact with: fuming sulphuric acid, nitric acid, silver perchlorate, nitrogen dioxide, on-metal halogenates, acetic acid, organic nitrocompounds. May form explosive mixtures with: air. May react dangerously with: strong oxidising agents, strong acids, Sulphur.

ETHANOLAMINE

May react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulphuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulphuric acid, strong acids, vinyl acetate, cellulose nitrate.

ETHYL ACETATE

Risk of explosion on contact with: alkaline metals, hydrides, oleum. May react violently with: fluorine, strong oxidising agents, chlorosulphuric acid, potassium tert-butoxide. Forms explosive mixtures with: air.

ISOBUTYL ACETATE

Risk of explosion on contact with: strong oxidising agents. May react violently with: alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with: air.

10.4. Conditions to avoid

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

ETHANOLAMINE

Avoid exposure to: air, sources of heat.

ETHYL ACETATE

Avoid exposure to: light, sources of heat, naked flames.

ISOBUTYL ACETATE

Avoid exposure to: sources of heat, naked flames.

10.5. Incompatible materials

ETHANOLAMINE

Incompatible with: iron, strong acids, strong oxidants.

ETHYL ACETATE

Incompatible with: acids, bases, strong oxidants, chlorosulphuric acid.

ISOBUTYL ACETATE

Incompatible with: strong oxidants, nitrates, strong acids, strong bases.

10.6. Hazardous decomposition products

ETHANOLAMINE

May develop: nitric oxide, carbon oxides.

SECTION 11. Toxicological information

Information on likely routes of exposure

TOLUENE

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

METHANOL

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; contact with the skin of products containing the substance.

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

TOLUENE

Toxic effect on the central and peripheral nervous system with encephalopathy and polyneuritis; irritating for the skin, conjunctiva, cornea and respiratory apparatus.

METHANOL

The minimum lethal dose for humans by ingestion is considered to be in the range from 300 to 1000 mg/kg. Ingestion of 4-10 ml of the substance may cause permanent blindness in adult humans (IPCS).

Interactive effects

TOLUENE

Certain drugs and other industrial products can interfere with the metabolism of the toluene.

ACUTE TOXICITY

p-phenylenediamine

LD50 (Dermal):	7940 mg/kg
ATE (Dermal):	300 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):	137 mg/kg

Amides, coco, N- (hydroxyethyl)

LD50 (Dermal):	> 2000 mg/kg CONIGLIO
LD50 (Oral):	> 3000 mg/kg RATTO

ETHANOLAMINE

LD50 (Dermal):	2504 mg/kg
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):	1089 mg/kg Rat
LC50 (Inhalation vapours):	> 1,3 mg/l/6h 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)

resorcinol

LD50 (Dermal):	2830 mg/kg
LD50 (Oral):	510 mg/kg

4-aminophenol

LD50 (Dermal):	> 8000 mg/kg ratto
LD50 (Oral):	670 mg/kg ratto
LC50 (Inhalation mists/powders):	> 3,4 mg/l/4h ratto

2- (2,4-diaminophenoxy) ethanol dihydrochloride

LD50 (Oral):	1000 mg/kg ratto
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ETHYL ACETATE

LD50 (Dermal):	20000 mg/kg coniglio
LD50 (Oral):	4100 mg/kg ratto

ISOBUTYL ACETATE

LD50 (Dermal):	17400 mg/kg CONIGLIO
LD50 (Oral):	13413 mg/kg RATTO

TOLUENE

LD50 (Dermal):	12124 mg/kg Rabbit
LD50 (Oral):	5580 mg/kg Rat

LC50 (Inhalation vapours): 28,1 mg/l/4h Rat

BENZENE

LD50 (Dermal): > 8260 mg/kg Rabbit
LD50 (Oral): 3340 mg/kg Rat
LC50 (Inhalation vapours): 43,7 mg/l/4h Rat

METHANOL

LC50 (Inhalation vapours): > 87,6 mg/l/4h Rat

PHENOL

LD50 (Dermal): 660 mg/kg Rat
LD50 (Oral): 282 mg/kg Rat

SKIN CORROSION / IRRITATION

Amides, coco, N- (hydroxyethyl)

Corrosive to the skin species: rabbit. Duration: 4h.

SERIOUS EYE DAMAGE / IRRITATION

Amides, coco, N- (hydroxyethyl)

Serious eye damage.

CARCINOGENICITY

TOLUENE

Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 1999). The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

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:

resorcinol

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

p-phenylenediamine

LC50 - for Fish 0,028 mg/l/96h

Amides, coco, N- (hydroxyethyl)

LC50 - for Fish > 3 mg/l/96h

EC50 - for Crustacea 3 mg/l/48h

EC50 - for Algae / Aquatic Plants 3,9 mg/l/72h

Chronic NOEC for Fish 0,32 mg/l

Chronic NOEC for Crustacea 0,07 mg/l

ETHANOLAMINE

Chronic NOEC for Fish 1,2 mg/l Oryzias latipes

Chronic NOEC for Crustacea 0,85 mg/l Daphnia magna

resorcinol

LC50 - for Fish 26,8 mg/l/96h

EC50 - for Crustacea	1 mg/l/48h daphnia
EC50 - for Algae / Aquatic Plants	97 mg/l/72h algae
4-aminophenol	
LC50 - for Fish	0,82 mg/l/96h
EC50 - for Crustacea	0,18 mg/l/48h
Chronic NOEC for Fish	0,049 mg/l
Chronic NOEC for Crustacea	0,206 mg/l
2- (2,4-diaminophenoxy) ethanol dihydrochloride	
LC50 - for Fish	> 400 mg/l/96h Danio rerio
EC50 - for Crustacea	6,49 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	37,4 mg/l/72h Pseudokirchneriella subcapitata
Chronic NOEC for Crustacea	0,43 mg/l Daphnia magna
ETHYL ACETATE	
LC50 - for Fish	230 mg/l/96h pimephales promelas
EC50 - for Crustacea	717 mg/l/48h daphnia magna
EC50 - for Algae / Aquatic Plants	3300 mg/l/72h scenedesmus subspicatus
Chronic NOEC for Fish	9,65 mg/l pimephales promelas
Chronic NOEC for Crustacea	2,4 mg/l daphnia magna
ISOBUTYL ACETATE	
Chronic NOEC for Crustacea	23,2 mg/l DAPHNIA MAGNA
BENZENE	
LC50 - for Fish	630 mg/l/96h Fish

12.2. Persistence and degradability

Amides, coco, N- (hydroxyethyl)

Rapidly degradable

ETHANOLAMINE

Solubility in water

1000 - 10000 mg/l

Rapidly degradable

4-aminophenol

NOT rapidly degradable

2- (2,4-diaminophenoxy) ethanol dihydrochloride

Rapidly degradable

ETHYL ACETATE

Solubility in water

> 10000 mg/l

Rapidly degradable

ISOBUTYL ACETATE

Solubility in water

1000 - 10000 mg/l

Rapidly degradable

TOLUENE

Solubility in water

100 - 1000 mg/l

Rapidly degradable

BENZENE

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

METHANOL

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

PHENOL

Rapidly degradable

12.3. Bioaccumulative potential

ETHANOLAMINE

Partition coefficient: n-octanol/water -2,3

ETHYL ACETATE

Partition coefficient: n-octanol/water 0,68

BCF 30

ISOBUTYL ACETATE

Partition coefficient: n-octanol/water 2,3

BCF 15,3

TOLUENE

Partition coefficient: n-octanol/water 2,73

BCF 90

BENZENE

Partition coefficient: n-octanol/water 2,13

BCF < 10

METHANOL

Partition coefficient: n-octanol/water -0,77

BCF 0,2

PHENOL

Partition coefficient: n-octanol/water 1,47

12.4. Mobility in soil

ETHANOLAMINE

Partition coefficient: soil/water -0,5646

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 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.

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 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. (p-phenylenediamine; Amides, coco, N-(hydroxyethyl))

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (p-phenylenediamine; Amides, coco, N-(hydroxyethyl))

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (p-phenylenediamine; Amides, coco, N-(hydroxyethyl))

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	Limited Quantities: 5 lt	Tunnel restriction code: (-)
IMDG:	Special provision: 274, 335, 375, 601, 650 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

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 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.

SECTION 16. Other information

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

Flam. Liq. 2	Flammable liquid, category 2
Carc. 1A	Carcinogenicity, category 1A
Muta. 1B	Germ cell mutagenicity, category 1B
Muta. 2	Germ cell mutagenicity, category 2
Repr. 2	Reproductive toxicity, category 2

Acute Tox. 3	Acute toxicity, category 3
STOT SE 1	Specific target organ toxicity - single exposure, category 1
Acute Tox. 4	Acute toxicity, category 4
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1B	Skin corrosion, category 1B
Skin Corr. 1C	Skin corrosion, category 1C
Skin Corr. 1	Skin corrosion, category 1
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
Skin Sens. 1B	Skin sensitization, category 1B
STOT SE 2	Specific target organ toxicity - single exposure, category 2
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 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H225	Highly flammable liquid and vapour.
H350	May cause cancer.
H340	May cause genetic defects.
H341	Suspected of causing genetic defects.
H361d	Suspected of damaging the unborn child.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H370	Causes damage to organs.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H373	May cause 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.
H336	May cause drowsiness or dizziness.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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).

Note for users:

The information contained in this document 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.