AIR	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 5
		Dated 15/01/2019
	CR10	Printed on 13/06/2019
		Page n. 1/19
		Replaced revision:4 (Dated: 14/03/2016)

Safety data sheet according to regulation (CE) n. 1907/2006 (REACH), Annex II, and successive adjustments introduced by Commission Regulation (EU) no. 2015/830

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

1.1. Product identifier

Product name **CR10**

Chemical name and synonym Degreasing cleaner wax remover for porcelain stoneware, ceramic, natural stone,

terracotta, cement and quarry tiles

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

Intended use Epoxy joint cleaner.

Identified Uses	Industrial	Professional	Consumer
Uses	- -	→	•
1.3. Details of the supplier of the safety data shee Name Full address District and Country	t FILA INDUSTRIA CHIMICA S Via Garibaldi, 58 35018 San Martino di Lupari ITALIA		
	Tel. +39.049.9467300		
	Fax +39.049.9460753		
e-mail address of the competent person			
responsible for the Safety Data Sheet	sds@filasolutions.com		
1.4. Emergency telephone number	TEL 00 040 0407000 (Mary 4		

For urgent inquiries refer to

TEL +39.049.9467300 (Monday -Friday; 8.30 - 12.30 and 14.00 - 17.30)

UNITED KINGDOM: NHS Direct 111 (In England, Scotland North Ireland) 08454647

(Wales); IRELAND 018092166

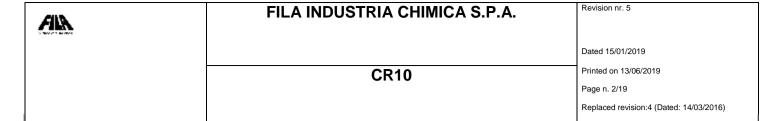
SECTION 2. Hazards identification

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 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2 H319 Causes serious eye irritation.



2.2. Label elements

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

Hazard pictograms:



Signal words: Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.

P280 Wear eye protection / face protection.

P337+P313 If eye irritation persists: Get medical advice / attention.

P264 Wash hands thoroughly after handling.

5% or over but less than soap

15%

Preservation agents

2.3. Other hazards

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

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

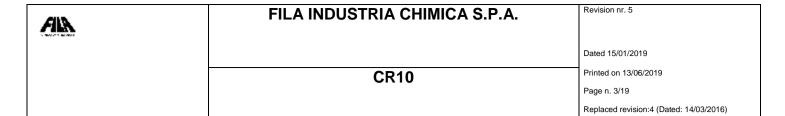
Identification x = Conc. % Classification 1272/2008 (CLP)

Phenylmethanol

CAS 100-51-6 19 ≤ x < 24 Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319

EC 202-859-9

INDEX 603-057-00-5 Reg. no. 01-2119492630-38



PROPYLENE GLYCOL MONO

METHYL ETHER CAS 107-98-2

 $4 \le x < 5$

Flam. Lig. 3 H226, STOT SE 3 H336

EC 203-539-1

INDEX 603-064-00-3

Reg. no. 01-2119457435-35

Monoethanolamine oleate

CAS 2272-11-9 $1 \le x < 2$ Eye Irrit. 2 H319

EC 218-878-0

INDEX -

Reg. no. exempted according to

REACH Annex V. **ETHANOLAMINE**

CAS 141-43-5

0,7 ≤ x < 0,8 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

EC 205-483-3

INDEX 603-030-00-8

Reg. no. 01-2119486455-28

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

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

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

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

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

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

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

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

Information not available

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

AIR	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 5
		Dated 15/01/2019
	CR10	Printed on 13/06/2019
		Page n. 4/19
		Replaced revision:4 (Dated: 14/03/2016)

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

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 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.

7.3. Specific end use(s)

AIR	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 5
		Dated 15/01/2019
	CR10	Printed on 13/06/2019
		Page n. 5/19
		Replaced revision:4 (Dated: 14/03/2016)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

CZE DEU DNK ESP FIN FRA GBR	Česká Republika Deutschland Danmark España Suomi France United Kingdom	Nařízení vlády č. 361/2007 Sb. kterým se stanoví podmínky ochrany zdraví při práci TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte Graensevaerdier per stoffer og materialer INSHT - Limites de exposición profesional para agentes químicos en España 2017 HTP-arvot 2012. Haitallisiksi tunnetut pitoisuudet - Sosiaali- ja terveysministeriön julkaisuja 2012:5 JORF n°0109 du 10 mai 2012 page 8773 texte n° 102 EH40/2005 Workplace exposure limits
GRC	Ελλάδα	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012
HRV	Hrvatska	NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva
HUN	Magyarország	50/2011. (XII. 22.) NGM rendelet a munkahelyek kémiai biztonságáról
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18
NOR	Norge	Veiledning om Administrative normer for forurensning i arbeidsatmosfære
POL PRT	Polska	ROZPORZĄDZENIE MINISTRA RODZIN Y, PRAC Y I POLITYKI SPOŁECZNEJ z dnia 12 czerwca 2018 r
PKI	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diaro da Republica I 26; 2012-02-06
ROU	România	Monitorul Oficial al României 44; 2012-01-19
SVK	Slovensko	NARIADENIE VLÁDY Slovenskej republiky z 20. júna 2007
SVN	Slovenija	Uradni list Republike Slovenije 04.06.2015 (1602) - Pravilnik o spremembah in dopolnitvah Pravilnika o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu
SWE	Sverige	Occupational Exposure Limit Values, AF 2011:18
TUR	Türkiye	KİMYASAL MADDELERLE ÇALIŞMALARDA SAĞLIK VE GÜVENLİK ÖNLEMLERİ HAKKINDA YÖNETMELİK - Resmi Gazete Tarihi: 12.08.2013 Resmi Gazete Sayısı: 28733
EU	OEL EU	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 91/322/EEC.
	TLV-ACGIH	ACGIH 2018

Type	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
TLV	CZE	40		80				
AGW	DEU	22	5	44	10			
НТР	FIN	45	10					
NDS	POL	240						
Predicted no-effect concentration	on - PNEC							
Normal value in fresh water				1	mg	ı/l		
Normal value in marine water				0,1	mg	ı/l		
Normal value for fresh water se	ediment			5,27	mg	ı/kg		
Normal value for marine water	sediment			527	mg	ı/kg		
Health - Derived no-effect	t level - DNEL / I	OMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	VND	25 mg/kg/d						
Inhalation	VND	40,55 mg/m3			VND	450 mg/m3	VND	90 mg/m3
Skin	VND	28,5 mg/kg/d	VND	5,7 mg/kg/d	VND	47 mg/kg/d	VND	9,5 mg/kg/d



FILA INDUSTRIA CHIMICA S.P.A.

Revision nr. 5

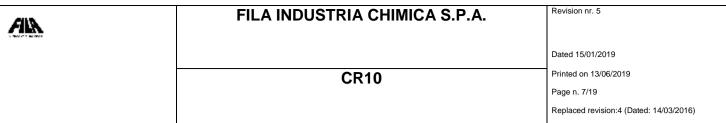
Dated 15/01/2019
Printed on 13/06/2019

Page n. 6/19

Replaced revision:4 (Dated: 14/03/2016)

CR10

Туре	ue Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
TLV	CZE	270		550		SKIN		
AGW	DEU	370	100	740	200			
MAK	DEU	370	100	740	200			
TLV	DNK	185	50					
VLA	ESP	375	100	568	150	SKIN		
HTP	FIN	370	100	560	150	SKIN		
VLEP	FRA	188	50	375	10	SKIN		
WEL	GBR	375	100	560	150	SKIN		
TLV	GRC	360	100	1080	300			
GVI	HRV	375	100	568	150	SKIN		
AK	HUN	375		568				
VLEP	ITA	375	100	568	150	SKIN		
OEL	NLD	375		563		SKIN		
TLV	NOR	180	50			SKIN		
NDS	POL	180		360				
VLE	PRT	375	100	568	150			
TLV	ROU	375	100	568	150	SKIN		
NPHV	SVK	375	100	568		SKIN		
MV	SVN	375	100	562,5	150	SKIN		
MAK	SWE	190	50	300	75	SKIN		
ESD	TUR	375	100	568	150	SKIN		
OEL	EU	375	100	568	150	SKIN		
TLV-ACGIH		184	50	368	100			
Predicted no-effect conc	entration - PNEC							
Normal value in fresh wa	ater			10	mg/	/1		
Normal value in marine v	water			1	mg/	/1		
Normal value for fresh w	ater sediment			52,3	mg/	/kg/d		
Normal value for marine	water sediment			5,2	mg/	/kg/d		
Normal value for water, i	ntermittent release			100	mg/	/1		
Normal value of STP mid	croorganisms			100	mg/	/1		
Health - Derived no-	effect level - DNEL / I Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral			VND	systemic 3,3 mg/kg bw/d		systemic		systemic
Inhalation			VND	43,9 mg/kg			553,5 mg/m3	369 mg/m3
Skin			VND	18,1 mg/kg bw/d			VND	50,6 mg/kg bw/d



Monoethanolamine ole	eate							
Predicted no-effect concent	ration - PNEC							
Normal value in fresh water				0,478	mį	g/l		
Normal value in marine water	er			0,0478	mç	g/l		
Normal value for fresh wate	r sediment			8020	mç	g/kg		
Normal value for marine wa	ter sediment			802	mį	g/kg		
Normal value for water, inte	rmittent release			0,141	mg	g/l		
Normal value of STP microo	organisms			0,562	mç	g/l		
Normal value for the terrest	rial compartment			1600	mç	g/kg		
Health - Derived no-eff	ect level - DNEL / I	DMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	VND	25 mg/kg bw/d						
Inhalation			VND	43,5 mg/m3			VND	146,9 mg/m
Skin			VND	25 mg/kg bw/d			VND	41,7 mg/kg bw/d
OKIII				DW/U				
GKIII				DW/U				
ETHANOLAMINE				bw/d				
ETHANOLAMINE Threshold Limit Value	Country	TWA/8h		STEL/15min				
ETHANOLAMINE	Country		mad	STEL/15min	ppm			
ETHANOLAMINE Threshold Limit Value Type		mg/m3	ppm	STEL/15min mg/m3	ppm	SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV	CZE	mg/m3 2,5		STEL/15min mg/m3 7,5		SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK	CZE	mg/m3 2,5 0,5	0,2	STEL/15min mg/m3	ppm 0,2			
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV	CZE DEU DNK	mg/m3 2,5 0,5 2,5	0,2	STEL/15min mg/m3 7,5 0,5	0,2	SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA	CZE DEU DNK ESP	mg/m3 2,5 0,5 2,5 2,5	0,2	STEL/15min mg/m3 7,5 0,5 7,5	0,2	SKIN SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA HTP	CZE DEU DNK ESP FIN	mg/m3 2,5 0,5 2,5 2,5 2,5	0,2 1 1 1	STEL/15min mg/m3 7,5 0,5 7,5 7,6	3 3	SKIN SKIN SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA HTP VLEP	CZE DEU DNK ESP FIN FRA	mg/m3 2,5 0,5 2,5 2,5 2,5 2,5	0,2 1 1 1	STEL/15min mg/m3 7,5 0,5 7,5 7,6 7,6	0,2 3 3 3	SKIN SKIN SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA HTP VLEP WEL	CZE DEU DNK ESP FIN FRA GBR	mg/m3 2,5 0,5 2,5 2,5 2,5 2,5 2,5 2,5	0,2 1 1 1 1 1	STEL/15min mg/m3 7,5 0,5 7,5 7,6 7,6 7,6 7,6	0,2 3 3 3 3	SKIN SKIN SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA HTP VLEP WEL TLV	CZE DEU DNK ESP FIN FRA GBR GRC	mg/m3 2,5 0,5 2,5 2,5 2,5 2,5 2,5 2,5	0,2 1 1 1 1 1	7,5 0,5 7,6 7,6 7,6 7,6	0,2 3 3 3 3 3	SKIN SKIN SKIN SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA HTP VLEP WEL TLV GVI	CZE DEU DNK ESP FIN FRA GBR GRC HRV	mg/m3 2,5 0,5 2,5 2,5 2,5 2,5 2,5 2,5	0,2 1 1 1 1 1 1 1	STEL/15min mg/m3 7,5 0,5 7,5 7,6 7,6 7,6 7,6 7,6 7,6 7,6	0,2 3 3 3 3 3 3	SKIN SKIN SKIN SKIN SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA HTP VLEP WEL TLV GVI VLEP	CZE DEU DNK ESP FIN FRA GBR GRC HRV	mg/m3 2,5 0,5 2,5 2,5 2,5 2,5 2,5 2,5 2,5 2,5 2,5 2	0,2 1 1 1 1 1	STEL/15min mg/m3 7,5 0,5 7,6 7,6 7,6 7,6 7,6 7,6	0,2 3 3 3 3 3	SKIN SKIN SKIN SKIN SKIN SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA HTP VLEP WEL TLV GVI VLEP OEL	CZE DEU DNK ESP FIN FRA GBR GRC HRV ITA NLD	mg/m3 2,5 0,5 2,5 2,5 2,5 2,5 2,5 2,5	0,2 1 1 1 1 1 1 1	STEL/15min mg/m3 7,5 0,5 7,5 7,6 7,6 7,6 7,6 7,6 7,6 7,6	0,2 3 3 3 3 3 3	SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA HTP VLEP WEL TLV GVI VLEP OEL TLV	CZE DEU DNK ESP FIN FRA GBR GRC HRV ITA NLD NOR	mg/m3 2,5 0,5 2,5 2,5 2,5 2,5 2,5 2,5	0,2 1 1 1 1 1 1 1	7,5 0,5 7,6 7,6 7,6 7,6 7,6 7,6 7,6	0,2 3 3 3 3 3 3	SKIN SKIN SKIN SKIN SKIN SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA HTP VLEP WEL TLV GVI VLEP OEL TLV	CZE DEU DNK ESP FIN FRA GBR GRC HRV ITA NLD	mg/m3 2,5 0,5 2,5 2,5 2,5 2,5 2,5 2,5	0,2 1 1 1 1 1 1 1	STEL/15min mg/m3 7,5 0,5 7,6 7,6 7,6 7,6 7,6 7,6	0,2 3 3 3 3 3 3	SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA HTP VLEP WEL TLV GVI VLEP OEL	CZE DEU DNK ESP FIN FRA GBR GRC HRV ITA NLD NOR	mg/m3 2,5 0,5 2,5 2,5 2,5 2,5 2,5 2,5	0,2 1 1 1 1 1 1 1	7,5 0,5 7,6 7,6 7,6 7,6 7,6 7,6 7,6	0,2 3 3 3 3 3 3	SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
ETHANOLAMINE Threshold Limit Value Type TLV MAK TLV VLA HTP VLEP WEL TLV GVI VLEP OEL TLV NDS	CZE DEU DNK ESP FIN FRA GBR GRC HRV ITA NLD NOR POL	mg/m3 2,5 0,5 2,5 2,5 2,5 2,5 2,5 2,5	0,2 1 1 1 1 1 1 1 1	STEL/15min mg/m3 7,5 0,5 7,6 7,6 7,6 7,6 7,6 7,6 7,6 7,6 7,6 7,	0,2 3 3 3 3 3 3 3	SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		

OEL	EU	2,5	1	7,6	3	SKIN	
TLV-ACGIH		7,5	3	15	6		
Predicted no-effect concentration	- PNEC						
Normal value in fresh water				0,085	m	g/l	

15

6

SKIN

3

MAK

SWE

8

AIR	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 5
		Dated 15/01/2019
	CR10	Printed on 13/06/2019
		Page n. 8/19
		Replaced revision:4 (Dated: 14/03/2016)

Normal value in marine water	0,0085	mg/l	
Normal value for fresh water sediment	0,434	mg/kg	
Normal value for marine water sediment	0,0434	mg/kg	
Normal value for water, intermittent release	0,028	mg/l	
Normal value of STP microorganisms	100	mg/l	

Health - Derived no-ef	fect level - DNEL / D	MEL						
	Effects on				Effects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	3,75 mg/kg/d				
Inhalation			2 mg/m3	VND			3,3 mg/m3	VND
Skin			VND	0,24 mg/kg/d			VND	1 mg/kg/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.

TLV of solvent mixture: 44 mg/m3

8.2. Exposure controls

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

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

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

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

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 I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

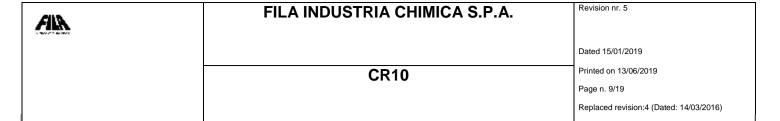
Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, 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). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

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. The protection provided by masks is in any case limited.

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.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance viscous liquid
Colour transparent
Odour characteristic
Odour threshold Not available

pH 10,5

Melting point / freezing point Not available Initial boiling point Not available Boiling range Not available > 93 °C Flash point **Evaporation Rate** Not available Flammability of solids and gases not applicable Lower inflammability limit Not available Upper inflammability limit Not available Lower explosive limit Not available Upper explosive limit Not available Not available Vapour pressure Vapour density Not available

Relative density 1,01

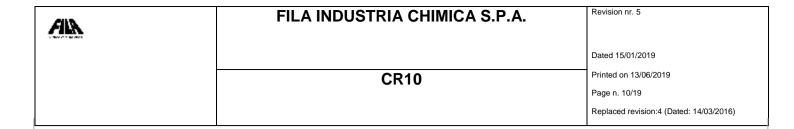
Solubility Readily soluble
Partition coefficient: n-octanol/water Not available
Auto-ignition temperature Not available
Decomposition temperature Not available
Viscosity Not available
Explosive properties not applicable
Oxidising properties not applicable

9.2. Other information

VOC (Directive 2010/75/EC) : 25,78 % - 260,36 g/litre
VOC (volatile carbon) : 18,50 % - 186,87 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.

BENZYL ALCOHOL

Decomposes at temperatures above 870°C/1598°F.Possibility of explosion.

PROPYLENE GLYCOL MONO METHYL ETHER

Dissolves various plastic materials. Stable in normal conditions of use and storage.

Absorbs and disolves in water and in organic solvents. With air it may slowly form explosive peroxides.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

BENZYL ALCOHOL

May react dangerously with: hydrobromic acid,iron,oxidising agents,sulphuric acid.Risk of explosion on contact with: phosphorus trichloride.

PROPYLENE GLYCOL MONO METHYL ETHER

May react dangerously with: strong oxidising agents, strong acids.

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.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

BENZYL ALCOHOL

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

PROPYLENE GLYCOL MONO METHYL ETHER

AIR	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 5
		Dated 15/01/2019
	CR10	Printed on 13/06/2019
		Page n. 11/19
		Replaced revision:4 (Dated: 14/03/2016)

Avoid exposure to: air.

ETHANOLAMINE

Avoid exposure to: air, sources of heat.

10.5. Incompatible materials

BENZYL ALCOHOL

Incompatible with: sulphuric acid,oxidising substances,aluminium.

PROPYLENE GLYCOL MONO METHYL ETHER

Incompatible with: oxidising substances, strong acids, alkaline metals.

ETHANOLAMINE

Incompatible with: iron, strong acids, strong oxidants.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

ETHANOLAMINE

May develop: nitric oxide,carbon oxides.

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 toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

AIR	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 5
		Dated 15/01/2019
	CR10	Printed on 13/06/2019
	••	Page n. 12/19
		Replaced revision:4 (Dated: 14/03/2016)

PROPYLENE GLYCOL MONO METHYL ETHER

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.

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

PROPYLENE GLYCOL MONO METHYL ETHER

The main route of entry is the skin, while the respiratory route is less important, given the low vapor pressure of the product. Above 100 ppm there is irritation of the ocular, nasal and oropharyngeal mucous membranes. At 1000 ppm there is a disturbance in the balance and severe irritation to the eyes. The clinical and biological tests performed on the exposed volunteers did not reveal any anomalies.

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:
> 20 mg/l
LD50 (Oral) of the mixture:
>2000 mg/kg
LD50 (Dermal) of the mixture:
Not classified (no significant component)

ETHANOLAMINE

LD50 (Oral) 1515 mg/kg rat male/female

LD50 (Dermal) 2504 mg/kg male rabbit

BENZYL ALCOHOL

LD50 (Oral) 1230 mg/kg Rat

LD50 (Dermal) 2000 mg/kg Rabbit

LC50 (Inhalation) > 4,1 mg/l/4h Rat

PROPYLENE GLYCOL MONO METHYL ETHER

LD50 (Oral) 4016 mg/kg Rat male/female

LD50 (Dermal) 13000 mg/kg Rabbit

LC50 (Inhalation) 54,6 mg/l/4h Rat

AIR	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 5
		Dated 15/01/2019
	CR10	Printed on 13/06/2019
		Page n. 13/19
		Replaced revision:4 (Dated: 14/03/2016)

Monoethanolamine oleate

LD50 (Oral) 1089 mg/kg rat male/female

LD50 (Dermal) 2504 mg/kg male rabbit

LC50 (Inhalation) > 1,3 mg/l/4h 6h rat male/female

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

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

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

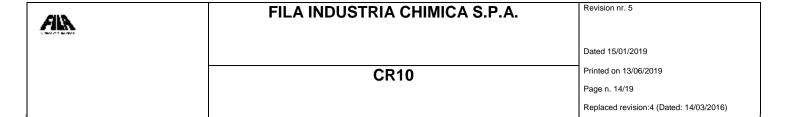
Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation. Please take all the proper measures to reduce



harmful effects on aquifers.

12.1. Toxicity

ETHANOLAMINE

LC50 - for Fish 349 mg/l/96h Cyprinus carpio EC50 - for Crustacea 65 mg/l/48h Daphnia Magna

EC50 - for Algae / Aquatic Plants 2,1 mg/l/72h Pseudokirchnerella subcapitata

Chronic NOEC for Fish 1,24 mg/l 41d Oryzias latipes

BENZYL ALCOHOL

LC50 - for Fish 460 mg/l/96h Pimephales promelas EC50 - for Crustacea 230 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 770 mg/l/72h Pseudokirchnerella subcapitata

PROPYLENE GLYCOL MONO METHYL

ETHER

LC50 - for Fish 20800 mg/l/96h Pimephales promelas EC50 - for Crustacea 23300 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants > 500 mg/l/72h Scenedesmus subspicatus

Monoethanolamine oleate

LC50 - for Fish 349 mg/l/96h Cyprinus carpio EC50 - for Crustacea 65 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 2,5 mg/l/72h Pseudokirchnerella subcapitata

12.2. Persistence and degradability

ETHANOLAMINE

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

>70% 28d

BENZYL ALCOHOL

Rapidly degradable

87% 28d

PROPYLENE GLYCOL MONO METHYL

ETHER

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

96% 28d

Monoethanolamine oleate

Rapidly degradable >90% 21d

	AIR	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 5	1
			Dated 15/01/2019	i
		CR10	Printed on 13/06/2019	ı
		••	Page n. 15/19	i
ı			Replaced revision:4 (Dated: 14/03/2016)	i

12.3. Bioaccumulative potential

ETHANOLAMINE

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

BENZYL ALCOHOL

Partition coefficient: n-octanol/water 1,05

PROPYLENE GLYCOL MONO METHYL

ETHER

Partition coefficient: n-octanol/water < 1

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 greater than 0,1%.

12.6. 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.

CONTAMINATED PACKAGING

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

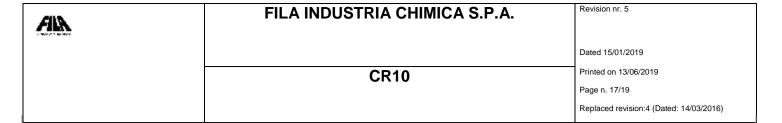
SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

AII/	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 5
CIE		
		Dated 15/01/2019
	CR10	Printed on 13/06/2019 Page n. 16/19
		Replaced revision:4 (Dated: 14/03/2016)
14.2. UN proper shipping name		
14.2. Old proper Shipping name		
Not applicable		
14.3. Transport hazard class(es)		
Not applicable		
14.4. Packing group		
Not applicable		
14.5. Environmental hazards		
Not applicable		
тиот аррпсавте		
14.6. Special precautions for user		
Not applicable		
14.7. Transport in bulk according to	Annex II of Marpol and the IBC Code	
Information not relevant		
SECTION 15. Regulatory	information	
15.1. Safety, health and environme	ntal regulations/legislation specific for the substance or mixture	
Seveso Category - Directive 2012/18/E		
Restrictions relating to the product or c	ontained substances pursuant to Annex XVII to EC Regulation 1907/2006	<u>S</u>
Product Point	3 - 40	
Substances in Candidate List (Art. 59 F	REACH)	



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

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 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.

Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2. Chemical safety assessment

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

Phenylmethanol

PROPYLENE GLYCOL MONO METHYL ETHER

ETHANOLAMINE

SECTION 16. Other information

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

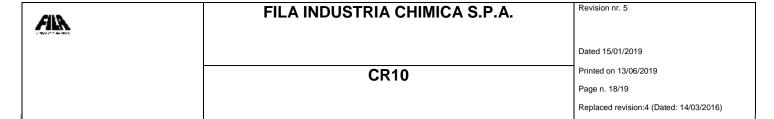
Flam. Liq. 3 Flammable liquid, category 3

Acute Tox. 4 Acute toxicity, category 4

Skin Corr. 1B Skin corrosion, category 1B

Eye Irrit. 2 Eye irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3



Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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 NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 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 STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- 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) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament

- Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 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)
- The Merck Index. 10th Edition

AIR	FILA INDUSTRIA CHIMICA S.P.A.	Revision nr. 5
		Dated 15/01/2019
	CR10	Printed on 13/06/2019
		Page n. 19/19
		Replaced revision:4 (Dated: 14/03/2016)

- 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.

Changes to previous review: The following sections were modified: 01 / 02 / 03 / 04 / 05 / 08 / 09 / 10 / 11 / 12 / 14 / 15.