MARB	EC S.R.L.	Revision nr. 6
	Dated 11/09/2019 Printed on 11/09/2019	
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10000	Safety Data Sheet ing to Annex II to REACH - Regulation 2015/830	
Accord	ing to Annex into REACH - Regulation 2015/650	
SECTION 1. Identification of the subs	stance/mixture and of the company/un	dertaking
1.1. Product identifier		
Code: Product name	0030385 ACTIV 3	
Chemical name and synonym	ACTIV 3	
1.2. Relevant identified uses of the substance or m	-	
Uses advised against. Avoid use: which involves s		
Intended use hydro-oil repellent pr	otector solvent-based for absorbent stone materials	
1.3. Details of the supplier of the safety data sheet		
Name Full address	MARBEC S.R.L. VIA CROCE ROSSA 5/i	
District and Country	51037 MONTALE (PISTOIA) ITALIA	
	Tel. +39 0573/959848	
	Fax +39 0573/959385	
e-mail address of the competent person		
responsible for the Safety Data Sheet	info@marbec.it	
1.4. Emergency telephone number	MARRED and	
For urgent inquiries refer to	MARBEC srl +39 0573959848 h8.30-13 h14-18 or +39 335726794	40
	Telephone number of Poison Centers active 24/24 h CAV Ospedale Niguarda Ca` Granda –	nours
	Milano 003902 66101029	
	CAV Ospedale Careggi- Firenze 0039 CAV Policlinico Gemelli –	9-055 7947819
	Roma 0039- 2206-3054343	
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:	
Flammable liquid, category 3	H226
Aspiration hazard, category 1	H304
Specific target organ toxicity - single exposure, category 3	H336

Flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

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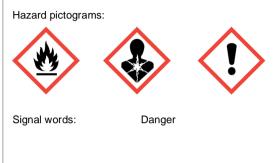
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### 2.2. Label elements

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



Hazard statements:

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P210 P331	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do NOT induce vomiting.
P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P261	Avoid breathing dust / fume / gas / mist / vapours / spray.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER / doctor /
Contains:	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
	N-BUTYL ACETATE

Product not intended for uses provided for by Dir. 2004/42/CE.

### 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**

### 3.1. Substances.

Information not applicable.

#### 3.2. Mixtures

Contains:

Identification

x = Conc. %

Classification 1272/2008 (CLP)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics,< 2% aromatics

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CAS -	50 ≤ x < 100	Flam. Liq. 3 H	226, Asp. Tox. 1 H304, STOT SE 3 H336, EUH066, Nota P
EC 919-857-5			
INDEX -			
Reg. no. 01-2119463258-33			
N-BUTYL ACETATE			
CAS 123-86-4	10 ≤ x < 20	Flam. Liq. 3 H	226, STOT SE 3 H336
EC 204-658-1			
INDEX 607-025-00-1			
Reg. no. 01-2119485493-29			
bis (2-ethylhexyl) adipate			
CAS 103-23-1	1≤x< 5		
EC 203-090-1			
INDEX -			
Reg. no. 01-2119439699-19-xxxx			
		<b>-</b> ,	
CAS 67-56-1	0≤x< 0,5	Flam. Liq. 2 H H331, STOT S	225, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 SE 1 H370
EC 200-659-6		,	
INDEX 603-001-00-X			
Nr. Reg. 01-2119433307-44-xxxx			
2-ethylanthraquinone			
CAS 84-51-5	0	< x < 0,005	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H336, EUH066
CE 201-535-4			
INDEX -			

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

NOTE: The dearomatized white spirit present in this product is a complex UVCB (PrC3), CAS N.A., EC 919-857-5 n. INDEX: N.A. ("C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatic hydrocarbons.) A complex and variable combination of paraffinic, cyclic and aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C11 and boiling in range 130 ° C - 210 ° C. Some manufacturers provide the following related CAS: 64742-48-9. Applicable Note P of Annex 1. Concentration of benzene <0.1% by weight.

## **SECTION 4. First aid measures**

### 4.1. Description of first aid measures

EYES: Wash immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present, if the situation allows to carry out the operation with ease. Continue to rinse. Consult a doctor immediately.

SKIN: wash immediately and abundantly with soap and water. Remove contaminated clothing. In case of irritation, swelling or redness, consult a specialist doctor. Wash the contaminated garments before reusing them. For thermal burns, cool the injured part. Keep the burned area under running cold water for at least five minutes or until the pain disappears. Avoid a general hypothermia. During the use of high pressure equipment, a product injection can occur even without apparent external injury. In this case, immediately transfer the injured person to the hospital. Do not wait for the symptoms to appear.

INHALATION: In case of difficult breathing, bring the injured person into the open air and keep it in a comfortable position for breathing. If the injured person is unconscious and does not breathe, check the absence of obstacles to breathing and perform artificial respiration by specialized personnel. If necessary, carry out an external cardiac massage and consult a doctor. If the injured person is breathing, keep him in a safe side position. Administer

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oxygen if necessary.

INGESTION: do not induce vomiting to avoid the risk of aspiration. Immediately transport the injured person to the hospital. Do not wait for the symptoms to appear. In the case of spontaneous vomiting, keep the head down to avoid the risk of aspiration of vomiting into the lungs.

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Contact with eyes may cause irritation. Contact with the skin: redness. Repeated exposure may cause skin dryness or cracking. Inhalation: headache, dizziness, somnolence, nausea and other effects on the central nervous system. Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause depression in the central nervous system. If swallowed, the material can be aspirated into the lungs and cause chemical pneumonitis.

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics If accidentally ingested, the product may enter the lungs due to its low viscosity and cause the rapid development of severe lung lesions (keep under medical supervision for 48 hours). Notes to the doctor: Treat symptomatically.

SECTION 5. Firefighting measures

#### 5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

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

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Excess pressure may form in containers exposed to fire at a risk of explosion. 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.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

## 6.2. Environmental precautions

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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. If the product is flammable, use an explosion-proof device. 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.

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Use appropriate personal protective equipment if necessary. Avoid contact with skin and eyes. Do not swallow. Avoid breathing vapors. Do not release into the environment. Make sure that appropriate cleaning measures are taken (housekeeping). Contaminated material must not accumulate in the workplace and must never be stored in a pocket. Keep away from food and drink. Do not eat, drink or smoke while using the product. Wash hands thoroughly after handling. Do not reuse contaminated clothing.

#### 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.

Storage class TRGS 510 (Germany): 8B

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Keep away from strong oxidants and reducing agents.

Keep away from food, drink and feed.

The structure of the storage area, the characteristics of the tanks, the equipment and the operating procedures must comply with the relevant legislation at European, national or local level. Storage facilities must be equipped with appropriate systems to prevent soil and water contamination in the event of leaks or spills. The cleaning, inspection and maintenance of the internal structure of the storage tanks must be carried out by qualified and properly equipped personnel, as established by national legislation, local or company regulations. Before accessing the storage tanks and starting any type of intervention in a confined space, make an adequate reclamation, check the atmosphere and check the oxygen content and the degree of flammability. Store separate from oxidizing agents.

Suitable materials: use mild steel or stainless steel for containers and coatings. For the realization of containers or internal coverings, use approved and suitable material for the use of the product. Some synthetic materials may not be suitable for containers or coatings based on the characteristics of the material and intended uses. Check the compatibility of the materials with the manufacturer in relation to the conditions of use. If the product is supplied in containers, store only in the original container or in a container suitable for the type of product.

Keep containers tightly closed and properly labeled. Empty containers may contain flammable product residues, which may result in a risk of fire or explosion. Open slowly to check for pressure releases. Do not weld, braze, puncture, cut or incinerate empty containers unless they have been properly cleaned up.

7.3. Specific end use(s)

Information not available

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

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## 8.1. Control parameters

Regulatory References:

-RA		
101	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR		
	United Kingdom	EH40/2005 Workplace exposure limits
ITA		
	Italia	Decreto Legislativo 9 Aprile 2008, n.81
PRT		
	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
EU		trabalho - Diaro da Republica I 26; 2012-02-06
	OEL EU	Direttiva (UE) 2017/164; Direttiva 2009/161/UE; Direttiva 2006/15/CE; Direttiva 2004/37/CE; Direttiva
	TLV-ACGIH	2000/39/CE; Direttiva 91/322/CEE. ACGIH 2017
	RCP TLV	ACGIH TLVs and BEIs – Appendix H
		oalkanes, cyclics, < 2% aromatics
	d Limit Value	
Туре	Countr	TWA/8h STEL/15min
		mg/m3 ppm mg/m3 ppm
RCP TLV		1200 197

Predicted no-effect concentration - PNEC	
Normal value in fresh water	NPI
Normal value in marine water	NPI
Normal value for fresh water sediment	NPI
Normal value for marine water sediment	NPI
Normal value for water, intermittent release	NPI
Normal value of STP microorganisms	NPI
Normal value for the food chain (secondary poisoning)	NPI
Normal value for the terrestrial compartment	NPI
Normal value for the atmosphere	NPI
Health - Derived no-effect level - DNEL / DMEL Effects on	Effects on

	Lifects on				Lifects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral				125 mg/kg bw/d				
Inhalation				185 mg/m3				871 mg/m3
				24h				8h
Skin				125 mg/kg				208 mg/kg
				bw/d				bw/d

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Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
VLEP	FRA	710	150	940	200			
WEL	GBR	724	150	966	200			
TLV-ACGIH			50		150			
Health - Derived no-effect l		MEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral	2 mg/kg bw/d	2 mg/kg bw/d						
Inhalation	300 mg/m3		35,7 mg/m3		600 mg/m3		300 mg/m3	
Skin		6 mg/kg bw/d		6 mg/kg bw/d		11 mg/kg/d		11 mg/kg bw/d
								DW/Q
bis (2-ethylhexyl) adipate								
Predicted no-effect concentration	n - PNEC							
Normal value in fresh water				0,0032	mg/			
Normal value in marine water				0,0032	mg/			
Normal value for fresh water sed				15,6	-	/kg/d		
Normal value for water, intermitte				0,0032	mg/			
Normal value of STP microorgan				35	mg/			
Normal value for the terrestrial co	•			0,865	mg/	/kg/d		
Health - Derived no-effect l	evel - DNEL / DI Effects on consumers	MEL			Effects on workers			
Pouto of overcours								
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Chronic local	Acute local	Acute	Chronic
Oral	Acute local	Acute systemic	Chronic local	systemic 1,3 mg/kg	Chronic local	Acute local	Acute systemic	Chronic systemic
-		Acute systemic	Chronic local	systemic	Chronic local	Acute local		
Oral		Acute systemic		systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg	Chronic local	Acute local		systemic 17,8 mg/m3 25,5 mg/kg
Oral		Acute systemic		systemic 1,3 mg/kg bw/d 4,4 mg/m3	Chronic local	Acute local		systemic 17,8 mg/m3
Oral		Acute systemic		systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg	Chronic local	Acute local		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value				systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d	Chronic local	Acute local		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL	Acute local	TWA/8h		systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min		Acute local		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type	Country	TWA/8h mg/m3	ppm	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3	ppm			systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP	Country	TWA/8h mg/m3 260	ppm 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300	ppm 1000	SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP WEL	Country FRA GBR	TWA/8h mg/m3 260 266	ppm 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3	ppm	SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP WEL VLEP VLEP	Country FRA GBR ITA	TWA/8h mg/m3 260 266 260	ppm 200 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300	ppm 1000	SKIN SKIN SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP WEL VLEP VLE VLEP VLE	Country FRA GBR ITA PRT	TWA/8h mg/m3 260 266 260 260 260	ppm 200 200 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300	ppm 1000	SKIN SKIN SKIN SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP WEL VLEP VLE OEL OEL	Country FRA GBR ITA	TWA/8h mg/m3 260 266 260 260 260 260	ppm 200 200 200 200 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300 333	ppm 1000 250	SKIN SKIN SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP VLEP VLEP VLE OEL TLV-ACGIH	Country FRA GBR ITA PRT	TWA/8h mg/m3 260 266 260 260 260	ppm 200 200 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300	ppm 1000	SKIN SKIN SKIN SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP WEL VLEP VLE OEL TLV-ACGIH 2-ethylanthraquinone Threshold Limit Value	Country FRA GBR ITA PRT EU	TWA/8h mg/m3 260 266 260 260 260 260 260 260	ppm 200 200 200 200 200 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300 333 328	ppm 1000 250	SKIN SKIN SKIN SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP WEL VLEP VLEP VLE OEL TLV-ACGIH 2-ethylanthraquinone	Country FRA GBR ITA PRT	TWA/8h mg/m3 260 266 260 260 260 260 262 262 TWA/8h	ppm 200 200 200 200 200 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300 333 328 STEL/15min	ppm 1000 250	SKIN SKIN SKIN SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP VLEP VLE OEL TLV-ACGIH 2-ethylanthraquinone Threshold Limit Value Type	Country FRA GBR ITA PRT EU	TWA/8h mg/m3 260 266 260 260 260 260 260 260 260 260	ppm 200 200 200 200 200 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300 333 328	ppm 1000 250	SKIN SKIN SKIN SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP VLEP VLEP VLEP VLE OEL TLV-ACGIH 2-ethylanthraquinone Threshold Limit Value	Country FRA GBR ITA PRT EU	TWA/8h mg/m3 260 266 260 260 260 260 262 262 TWA/8h	ppm 200 200 200 200 200 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300 333 328 STEL/15min	ppm 1000 250	SKIN SKIN SKIN SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP WEL VLEP VLE OEL TLV-ACGIH 2-ethylanthraquinone Threshold Limit Value Type	Country FRA GBR ITA PRT EU	TWA/8h mg/m3 260 266 260 260 260 260 260 260 260 260	ppm 200 200 200 200 200 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300 333 328 STEL/15min	ppm 1000 250	SKIN SKIN SKIN SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP WEL VLEP VLE OEL TLV-ACGIH 2-ethylanthraquinone Threshold Limit Value Type	Country FRA GBR ITA PRT EU	TWA/8h mg/m3 260 266 260 260 260 260 260 260 260 260	ppm 200 200 200 200 200 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300 333 328 STEL/15min	ppm 1000 250	SKIN SKIN SKIN SKIN		systemic 17,8 mg/m3 25,5 mg/kg
Oral Inhalation Skin METHANOL Threshold Limit Value Type VLEP VLEP VLE OEL TLV-ACGIH 2-ethylanthraquinone Threshold Limit Value Type RCP TLV	Country FRA GBR ITA PRT EU	TWA/8h mg/m3 260 266 260 260 260 260 260 260 260 260	ppm 200 200 200 200 200 200 200	systemic 1,3 mg/kg bw/d 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 1300 333 328 STEL/15min	ppm 1000 250	SKIN SKIN SKIN SKIN		systemic 17,8 mg/m3 25,5 mg/kg

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(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.

### 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.

#### HAND PROTECTION

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

The following must be considered for the final choice of the work glove material: compatibility, degradation, break time and permeation. In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as unpredictable. The gloves have a wear time that depends on the duration and the mode of use. Materials presumably suitable for gloves: nitrile, PVC or PVA (polyvinylacool) with an index of protection against chemical agents of at least 5 (permeation time> 240 minutes). Use gloves according to the conditions and limits set by the manufacturer. In this case, refer to the UNI EN 374 standard. The gloves must be periodically inspected and replaced in case of wear, perforation or contamination.

#### 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.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

In case of handling the product, use antistatic work clothes with long sleeves, in relation to the risks related to the classification of the work areas, if necessary, heat resistant and thermally insulated.

In case of contamination of the garments replace them and clean them immediately.

Evaluate the advisability of providing antistatic clothing in the workplace where there is a risk of explosion.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

Not necessary for normal use. The activities with great dispersion that lead to a probable release of aerosols (eg use with spray application with airless system) are reserved for EXCLUSIVE PROFESSIONAL USE. 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.

The activities with great dispersion that lead to a probable release of aerosols (eg use with spray application with airless system) are reserved for EXCLUSIVE PROFESSIONAL USE. Use additional protective measures: use an approved air-powered respirator operating at positive pressure. Air-fed respirators with a waste bottle may be appropriate when oxygen levels are inadequate, if the risks of gases / vapors are low, and if the capacity / values of air-purifying filters can be exceeded. For high airborne concentrations, also use waterproof clothing to protect the skin and protect the face.

## ENVIRONMENTAL EXPOSURE CONTROLS

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

Do not release into the environment. Storage facilities must be equipped with appropriate systems to prevent soil and water contamination in the event of leaks or spills. Prevent the release of undissolved substances or recover them from wastewater. Do not distribute the sludge generated by the treatment of industrial waters on natural soils. The sludge generated by the treatment of industrial waters must be incinerated, kept under containment or treated.

Other information. Minimize exposure to mists / vapors / aerosols. Before accessing the storage tanks and starting any kind of intervention in a confined space, perform an adequate reclamation, check the atmosphere and check the oxygen content and the degree of flammability.

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## **SECTION 9.** Physical and chemical properties

9.1. Information on basic physical and chemical properties

VOC (Directive 2010/75 / EC): 730 g / liter

#### 9.2. Other information

Information not available

## **SECTION 10. Stability and reactivity**

#### 10.1. Reactivity

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

### N-BUTYL ACETATE

Decomposes on contact with: water.

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.

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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Vapors can form explosive mixtures with air. Contact with strong oxidants (such as peroxides and chromates) can cause a fire hazard. A mixture with nitrates or other strong oxidants (such as chlorates, perchlorates and liquid oxygen) can generate an explosive mass. Sensitivity to heat, friction and shock can not be evaluated in advance.

### N-BUTYL ACETATE

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

### 10.4. Conditions to avoid

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

### N-BUTYL ACETATE

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

### 10.5. Incompatible materials

### N-BUTYL ACETATE

Incompatible with: water, nitrates, strong oxidants, acids, alkalis, zinc.

#### 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.

## **SECTION 11. Toxicological information**

In the absence of experimental toxicological data on the product itself, the possible dangers of the product for health have been evaluated on the basis of the properties of the substances contained, according to the criteria provided for by the reference standard for classification. Consider therefore the concentration of the individual hazardous substances mentioned in section 3, to evaluate the toxicological effects deriving from exposure to the product.

### 11.1. Information on toxicological effects

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

N-BUTYL ACETATE In humans, vapors of substance cause irritation of the eyes and nose. In the case of repeated exposures, skin irritation, dermatosis (with dryness and cracking of the skin) and keratitis occur. Assessment of acute toxicity (ingestion / inhalation / skin contact): practically non-toxic for a single exposure. Non-irritating to the skin. Not irritating to the eyes. Assessment of sensitization: tests on animals did not show sensitizing action.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Local effects. Product Information:

Contact with the skin. Symptoms: Redness. Repeated exposure may cause skin dryness or cracking. Eye contact: Contact with eyes may cause irritation. Inhalation: inhalation of vapors may cause drowsiness and dizziness. It can cause irritation. Inhalation of vapors can cause headaches, nausea, vomiting and alterations in the state of consciousness.

Ingestion: if accidentally ingested, the product may enter the lungs due to its low viscosity and cause the rapid development of severe lung lesions (keep under medical supervision for 48 hours). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause depression in the

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## central nervous system.

Other adverse effects

Vapor concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headache and dizziness, have an anesthetic effect and cause other effects on the central nervous system. Repeated and / or prolonged skin contact with low viscosity materials can degrease the skin with possible development of irritation and dermatitis. Small amounts of liquid, aspirated into the lungs if swallowed or vomited, may cause chemical pneumonitis or pulmonary edema.

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

The results show that these fluids are rapidly absorbed by inhalation or by ingestion and can be absorbed by the dermal route. In any case, they are metabolized and eliminated quickly. Bioaccumulation is not foreseeable. The aromatic components are metabolized faster than naphthenes, n-alkanes, isoalkanes and 1-alkenes. This substance has a low acute toxicity with an oral rat LD50 greater than 5000 mg / kg, a rabbit dermal LD50 greater than 2000 mg / kg and an inhaled rat LC50 above 5000 mg / l. No significant effects were observed. The substance is therefore not classified for acute toxicity according to European regulations on hazardous substances. The substance is classified as dangerous for the danger of aspiration into the lungs.

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

METHANOL

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

N-BUTYL ACETATE

WORKERS: inhalation; contact with the skin.

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

#### 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).

### N-BUTYL ACETATE

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

#### Interactive effects

#### N-BUTYL ACETATE

A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

#### ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no significant component) LD50 (Oral) of the mixture: Not classified (no significant component) LD50 (Dermal) of the mixture: Not classified (no significant component)

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N-BUTYL ACETATE

LD50 (Oral) > 6400 mg/kg Rat

LD50 (Dermal) > 5000 mg/kg Rabbit

LC50 (Inhalation) 21,1 mg/l/4h Rat

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

LD50 (Oral) > 5000 mg/kg

LD50 (Dermal) > 2000 mg/kg

LC50 (Inhalation) > 9300 mg/l/4h

bis (2-ethylhexyl) adipate

LD50 (Oral) 24600 mg/kg rat

LC50 (Inhalation) > 5,7 mg/l/4h rat

### **SKIN CORROSION / IRRITATION**

Does not meet the classification criteria for this hazard class

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Repeated exposure may cause skin dryness or cracking. Slightly irritating to the skin in case of prolonged exposure.

bis (2-ethylhexyl) adipate

Method: Read-across with similar substances or surrogates.

### SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

EYE CONTACT: May cause mild, short-term eye problems. Based on test data for structural materials similar to OECD 405 guidelines.

bis (2-ethylhexyl) adipate

Method: Read-across with similar substances or surrogates.

Result: non-irritating.

Result: non-irritating.

### RESPIRATORY OR SKIN SENSITISATION

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Does not meet the classification criteria for this hazard class

Respiratory sensitization Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

It is assumed that it is not respiratory sensitizer.

bis (2-ethylhexyl) adipate

Method: Read-across with similar substances or surrogates.

Skin sensitization Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics It is assumed that it is not a skin sensitizer to OECD 406 guidelines.

Skin sensitization

bis (2-ethylhexyl) adipate Method: Draize test. Intracutaneus test. Induction: intradermal. Challenge: intradermale. Guinea pig male. Method: Mallette and von Haam, 1952. Induction: no data challenge: no data. Rabbit. Method: models based on structure-activity relationships (QSAR) Result: non-sensitizer (weight of evidence).

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

The mutagenic potential of the substance has been extensively studied in a range of in-vivo and in-vitro analyzes. Genetic toxicity: negative. It is assumed that it is not a mutagenic germline agenete. Based on test data for materials of similar structure to OECD Guidelines 471 473 474 476 478 479.

bis (2-ethylhexyl) adipate

Based on the studies performed on the mutagenic potential the substance results to have a negative genetic toxicity.

### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

This product is not classified as carcinogenic. It is assumed that it does not cause cancer. Based on test data for structural materials similar to OECD Guidelines 453.

bis (2-ethylhexyl) adipate

NOAEL (carcinogenicità):> 25000 ppm (nominal) (male / female).

Neoplastic effects: without effect.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Result: non-irritating

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No information available. It is assumed that it is not a toxic agent for reproduction. Based on test data for structural materials similar to OECD Guidelines 414 421 422. Adverse effects on sexual function and fertility bis (2-ethylhexyl) adipate Method: equivalent or similar to OECD Guidelaine 415 (one- Generation Reproduction Toxicity Study). Oral: feed. Rat (Wistar) male / female.

Results: NOAEL (P): ca. 170 mg / kg bw / day (nominal) (male / female) NOAEL (F1): approx. 170 mg / kg bw / day (nominal) (male / female)

Harmful effects on the development of offspring

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics The results of the substance studies related to developmental toxicity, dictated by the OECD guidelines and those of the screening studies in the same field, did not reveal tissue in the rats.

bis (2-ethylhexyl) adipate Method: equivalent or similar to OECD Guidelaine 414 (Prenatal Developmental Toxicity Study) (used to determine the limit dose). Oral: feed. Rat (Wistar) Results: NOAEL (mother toxicity): ca. 170 mg / kg bw / day (nominal) NOEL (foetotoxicity): 28 mg / kg bw / day (nominal) (male / female)

Effects on lactation or through breastfeeding

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics Lactation: it is assumed that it is not harmful to breast-fed infants.

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics Single exposure: May cause drowsiness and dizziness. This substance does not meet the EU classification criteria.

bis (2-ethylhexyl) adipate

Not available

Target organ Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics Central nervous system

### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Repeated exposure: it is assumed that it does not cause damage to organs following prolonged and repeated exposure. Based on test data for structural materials similar to OECD Guidelines 408 413 422. No known effects based on information provided.

Target organ Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Central nervous system

ASPIRATION HAZARD

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Toxic for aspiration

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Fluid can enter the lungs and cause damage (chemical, potentially fatal pneumonia).

bis (2-ethylhexyl) adipate

Not applicable

## **SECTION 12. Ecological information**

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached watercourses or has contaminated the soil or vegetation.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached watercourses or sewers or if it has contaminated the soil or vegetation. WATER RAY DEAROMATIZED (EC 919-857-5): Based on the ecological information given below and according to the criteria set by the regulations on hazardous substances, this substance is not classified as dangerous for the environment.

#### 12.1. Toxicity

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics WATER RAY DEAROMATIZED (EC 919-857-5): A summary of the most representative studies of the registration dossier is reported below. Aquatic toxicity: Endpoint: Invertebrates - Short term (Daphnia magna)

Result: EL50 (48 h):> 1000 mg / L (mobility); EL50 (24 h):> 1000 mg / L (mobility)

Comments: Key Study (C9-C11, <2% aromatics) - OECD Guideline 202 - SRC (1995)

Endpoint: Invertebrates - Short term (Chaetogammarus marinus)

Result: LL50 (48 h):> 1000 mg / L (mortality); LL50 (24 h):> 1000 mg / L (mortality) Comments: Key Study (C9-C11 <2% aromatics) OECD Guideline 202 - TNO (1992)

Endpoints: Invertebrates - Long term (Daphnia magna)

Result: NOELR (21 days): 0.23 mg / L (reproduction)

Comments: Support study (C9-C11 <2% aromatics) (Q) SAR Modeled data - CONCAWE (2010)

Endpoint: Algae (Pseudokirchnerella subcapitata) Growth inhibition

Result: EC50 (72 h):> 1000 mg / L (Growth); EC50 (72 h):> 1000 mg / L (biomass); NOELR (72 h): 3 mg / L (Cell number); NOELR (72

h): 100 mg / L (Growth) Comments: Key Study (C9-C11 <2% aromatics) OECD Guideline 201 - SRC (1995)

Endpoint: Fish - Short term (Oncorhynchus mykiss)

Result: LL50 (24 h):> 1000 mg / L; LL0 (24 h): 1000 mg / L; LL50 (48 h):> 1000 mg / L; LL0 (48 h): 1000 mg / L; LL50 (72):> 1000 mg / L; LL0 (72 h) mg / L: Comments: Key Study (C9-C11 <2% aromatics) OECD Guideline 203 - SRC (1995).

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics LC50 - for Fish	> 1000 mg/l/96h
EC50 - for Crustacea	> 1000 mg/l/48h
EC50 - for Algae / Aquatic Plants	> 1000 mg/l/72h
bis (2-ethylhexyl) adipate	
LC50 - for Fish	> 0,78 mg/l/96h oncorhynchus mykiss
EC50 - for Crustacea	> 500 mg/l/48h daphnia magna
EC50 - for Algae / Aquatic Plants	> 500 mg/l/72h algae
Chronic NOEC for Crustacea	0,77 mg/l daphnia magna, fresh water, semi-static. OECD Guideline 211

#### 12.2. Persistence and degradability

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degradation of the substance in the environment.	esistant to hydrolysis Therefore, this process will not contr and the properties of C9-C16 hydrocarbons, this substand line 301 F	
METHANOL		
Solubility in water	1000 - 10000 mg/l	
Rapidly degradable	u u u u u u u u u u u u u u u u u u u	
N-BUTYL ACETATE		
Solubility in water	1000 - 10000 mg/l	
Rapidly degradable	1000 - 10000 mg/r	
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics Entirely degradable		
bis (2-ethylhexyl) adipate Rapidly degradable <b>12.3. Bioaccumulative potential</b> Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cycli	cs, < 2% aromatics cs, <2% aromatics (EC 919-857-5): The standard tests t	for this endpoint are not applicable to LIVCB
substances.		
METHANOL		
Partition coefficient: n-octanol/water	-0,77	
BCF	0,2	
N-BUTYL ACETATE		
Partition coefficient: n-octanol/water	2,3	
BCF	15,3	
	,.	
bis (2-ethylhexyl) adipate		
BCF	27 l/kg	
12.4. Mobility in soil	-	
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cycli Hydrocarbons C9-C11, n-alkanes, isoalkanes, cyc applicable to substances UVCB.	cs, < 2% aromatics lics, <2% aromatics (EC 919-857-5): Absorption Koc: 1	the standard tests for this endpoint are not
N-BUTYL ACETATE		
Partition coefficient: soil/water	< 3	
bis (2-ethylhexyl) adipate		

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Partition coefficient: soil/water

4,687 l/kg

### 12.5. Results of PBT and vPvB assessment

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (EC 919-857-5): Comparison with the criteria of Annex XIII of the REACh Regulation

Assessment of persistence: some hydrocarbon structures contained in this substance have characteristics of P (Persistent) or vP (very Persistent).

Assessment of bioaccumulation potential: the structure of most of the hydrocarbons contained in this substance do NOT present

characteristics of vB (very Bioaccumulative) however some components exhibit characteristics of B (Bioaccumulative).

Evaluation of toxicity: for the hydrocarbon structures that showed characteristics of P and B the toxicity was evaluated but none relevant component meets the toxicity criteria with the exception of anthracene which has been confirmed as a PBT. Because anthracene is not present, the product is not considered PBT / vPvB.

#### 12.6. Other adverse effects

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Hydrocarbons C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (EC 919-857-5): The dispersion in the environment can lead to the contamination of the environmental matrices

(air, soil, subsoil, surface and underground waters). Use according to good working practice, avoiding to disperse the products in the environment

## **SECTION 13. Disposal considerations**

### 13.1. Waste treatment methods

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

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

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

## **SECTION 14. Transport information**

#### 14.1. UN number

ADR / RID, IMDG, 1993 IATA:

#### 14.2. UN proper shipping name

ADR / RID:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, n-butyl
	acetate)
IMDG:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, n-butyl
	acetate)
IATA:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, n-butyl
	acetate)

#### 14.3. Transport hazard class(es)

ADR / RID:	Class: 3	Label: 3
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IMDG:	Class: 3	Label: 3			
IATA:	Class: 3	Label: 3			
4.4. Packing group			•		
ADR / RID, IMDG, ATA:	III				
4.5. Environmental I	nazards				
ADR / RID:	NO				
IMDG:	NO				
IATA:	NO				
4.6. Special precaut	ions for user				
ADR / RID:		HIN - Kemler: 30	Limited Quantities: 5 L	Tunnel restriction code: (D/E)	
		Special Provision: -	-	0000. (2/2)	
IMDG:		EMS: F-E, <u>S-E</u>	Limited Quantities: 5 L		
IATA:		Cargo:	L Maximum quantity: 220 I	Packaging instructions: 366	
		Pass.:	Maximum quantity: 60 L	Packaging instructions: 355	
		Special Instructions:	A3		

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/EC: P5c

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

Product Point

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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Substances in Candidate List (Art. 59 REACH)

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

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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.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2%, aromatics bis (2-ethylhexyl) adipate, n-butil acetate.

## **SECTION 16. Other information**

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

Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Acute Tox. 3	Acute toxicity, category 3
STOT SE 1	Specific target organ toxicity - single exposure, category 1
Asp. Tox. 1	Aspiration hazard, category 1
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H370	Causes damage to organs.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

LEGEND:

### Revision nr. 6 MARBEC S.R.L. Dated 11/09/2019 Printed on 11/09/2019 0030385 - ACTIV 3 Page n. 20/20 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 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) - The Merck Index. - 10th Edition Handling Chemical Safety INRS - Fiche Toxicologique (toxicological sheet) Patty - Industrial Hygiene and Toxicology N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition IFA GESTIS website ECHA website Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy Note for users: The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified:

09/14