

### Safety Data Sheet

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

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

##### 1.1. Product identifier

Code: **UB**  
Product name: **ULTRABOND**

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

Intended use: **Polymer-based contact adhesive**

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

Name: **VOLTECO S.p.A**  
Full address: **via delle industrie 47**  
District and Country: **31050 Ponzano Veneto (TV)**  
**Italia**  
Tel.: **04229663**e-mail address of the competent person responsible for the Safety Data Sheet: **volteco@volteco.it**

##### 1.4. Emergency telephone number

For urgent inquiries refer to:  
**+39 06 68593726 (CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA - Roma - 00165)**  
**+39 800183459 (Az. Osp. Univ. Foggia - Foggia - 71222)**  
**+39 081 7472870 (Az. Osp. "A. Cardarelli" - Napoli - 80131)**  
**+39 06 49978000 (CAV Policlinico "Umberto I" - Roma - 161)**  
**+39 06 3054343 (CAV Policlinico "A. Gemelli" - Roma - 168)**  
**+39 055 7947819 (Az. Osp. "Careggi" U.O. Tossicologia Medica - Firenze - 50134)**  
**+39 0382 24444 (CAV Centro Nazionale di Informazione Tossicologica - Pavia - 27100)**  
**+39 02 66101029 (Osp. Niguarda Ca' Granda - Milano - 20162)**  
**+39 800883300 (Azienda Ospedaliera Papa Giovanni XXII - Bergamo - 24127)**

#### SECTION 2. Hazards identification

##### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

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

##### Hazard classification and indication:

Flammable liquid, category 2	H225	Highly flammable liquid and vapour.
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin sensitization, category 1A	H317	May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.

##### 2.2. Label elements

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

##### Hazard pictograms:



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### SECTION 2. Hazards identification ... / >>

Signal words: Danger

Hazard statements:

**H225** Highly flammable liquid and vapour.  
**H319** Causes serious eye irritation.  
**H317** May cause an allergic skin reaction.  
**H336** May cause drowsiness or dizziness.  
**EUH066** Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
**P280** Wear protective gloves/ protective clothing / eye protection / face protection.  
**P370+P378** In case of fire: use . . . to extinguish.  
**P261** Avoid breathing dust / fume / gas / mist / vapours / spray.  
**P233** Keep container tightly closed.  
**P403+P235** Store in a well-ventilated place. Keep cool.

**Contains:** Cashew (Anacardium  
Western) Nutshell Extract,  
Decarboxylated, Distilled  
METHEAMINE  
ACETONE  
ETHYL ACETATE

### 2.3. Other hazards

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

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

### SECTION 3. Composition/information on ingredients

#### 3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
<b>ETHYL ACETATE</b>		
INDEX 607-022-00-5	30 $\leq$ x < 40	<b>Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066</b>
EC 205-500-4		
CAS 141-78-6		
<b>ACETONE</b>		
INDEX 606-001-00-8	20 $\leq$ x < 30	<b>Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066</b>
EC 200-662-2		
CAS 67-64-1		
<b>Hydrocarbons, C10-C13, n alkanes, isoalkanes, cyclics, &lt; 2% aromatic</b>		
INDEX	1 $\leq$ x < 3	<b>Asp. Tox. 1 H304</b>
EC 918-481-9		
CAS		
REACH Reg. 01-2119457273-39		
<b>METHEAMINE</b>		
INDEX	1 $\leq$ x < 3	<b>Flam. Sol. 2 H228, Skin Sens. 1B H317</b>
EC 202-905-8		
CAS 100-97-0		
REACH Reg. 01-2119474895-20		
<b>Cashew (Anacardium Western) Nutshell Extract, Decarboxylated, Distilled</b>		
INDEX	0,4 $\leq$ x < 0,5	<b>Acute Tox. 4 H312, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1A H317 LD50 Dermal: 2000 mg/kg</b>
EC 232-355-4		
CAS 8007-24-7		
REACH Reg. 01-2119502450-57		

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

#### PHENOL

INDEX 604-001-00-2 0,1 ≤ x < 0,2

EC 203-632-7

CAS 108-95-2

REACH Reg. 01-2119471329-32-0080

Muta. 2 H341, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT RE 2 H373, Skin Corr. 1B H314, Eye Dam. 1 H318  
Skin Corr. 1B H314: ≥ 3%, Skin Irrit. 2 H315: ≥ 1% - < 3%  
ATE Oral: 100 mg/kg, ATE Dermal: 300 mg/kg, ATE Inhalation mists/powders: 0,501 mg/l

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

### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

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

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

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.

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

INHALATION: Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

#### Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

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

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

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

Call a POISON CENTRE / doctor / . . . if you feel unwell.

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

Running water for skin and eye wash.

### SECTION 5. Firefighting measures

#### 5.1. Extinguishing media

##### SUITABLE EXTINGUISHING EQUIPMENT

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

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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

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. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s)

Information not available

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

Regulatory references:

DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58
ESP	España	Límites de exposición profesional para agentes químicos en España 2023
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France Décret n° 2021-1849 du 28 décembre 2021
HRV	Hrvatska	Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit

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

POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006
RUS	Россия	ПОСТАНОВЛЕНИЕ от 13 февраля 2018 г. N 25 ОБ УТВЕРЖДЕНИИ ГИГИЕНИЧЕСКИХ НОРМАТИВОВ ГН 2.2.5.3532-18 "ПРЕДЕЛЬНО ДОПУСТИМЫЕ КОНЦЕНТРАЦИИ (ПДК) ВРЕДНЫХ ВЕЩЕСТВ В ВОЗДУХЕ РАБОЧЕЙ ЗОНЫ"
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2023

#### ACETONE

Threshold Limit Value						
Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	1200	500	2400	1000	
MAK	DEU	1200	500	2400	1000	
VLA	ESP	1210	500			
VLEP	FRA	1210	500	2420	1000	
GVI/KGVI	HRV	1210	500			
VLEP	ITA	1210	500			
TGG	NLD	1210		2420		
NDS/NDSch	POL	600		1800		
TLV	ROU	1210	500			
ПДК	RUS	200		800		n
MV	SVN	1210	500	2420	1000	
WEL	GBR	1210	500	3620	1500	
OEL	EU	1210	500			
TLV-ACGIH			250		500	

#### ETHYL ACETATE

Threshold Limit Value						
Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	730	200	1460	400	
MAK	DEU	750	200	1500	400	
VLA	ESP	734	200	1468	400	
VLEP	FRA	734	200	1468	400	
GVI/KGVI	HRV	734	200	1468	400	
VLEP	ITA	734	200	1468	400	
TGG	NLD	734		1468		
NDS/NDSch	POL	734		1468		
TLV	ROU	734	200	1468	400	
ПДК	RUS	50		200		n
MV	SVN	734	200	1468	400	
WEL	GBR	734	200	1468	400	
OEL	EU	734	200	1468	400	
TLV-ACGIH		1441	400			

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#### PHENOL

##### Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
AGW	DEU	8	2	16	4	SKIN	11
VLA	ESP	8	2	16	4	SKIN	
VLEP	FRA	7,8	2	15,6	4	SKIN	
GVI/KGVI	HRV	8	2	16	4	SKIN	
VLEP	ITA	8	2	16	4	SKIN	
TGG	NLD	8				SKIN	
NDS/NDSch	POL	7,8		16		SKIN	
TLV	ROU	8	2	16	4	SKIN	
ПДК	RUS	0,3		1			n
MV	SVN	8	2	16	4	SKIN	
WEL	GBR	7,8	2	16	4	SKIN	
OEL	EU	8	2	16	4	SKIN	
TLV-ACGIH		19,2	5			SKIN	

#### METHEAMINE

##### Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
OEL	EU	1				INHAL	

##### Predicted no-effect concentration - PNEC

Normal value in fresh water	3	mg/l
Normal value in marine water	0,3	mg/l
Normal value for fresh water sediment	10,2	mg/kg
Normal value for marine water sediment	1,02	mg/kg
Normal value of STP microorganisms	100	mg/l
Normal value for the food chain (secondary poisoning)	50	mg/kg
Normal value for the terrestrial compartment	0,28	mg/kg

##### Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			0,8					
Inhalation			1,2				5,6	
			mg/m3				mg/m3	
Skin			3,2				6,4	
			mg/kg				mg/kg	

#### Cashew (Anacardium

#### Western) Nutshell Extract, Decarboxylated, Distilled

##### Predicted no-effect concentration - PNEC

Normal value in fresh water	0,003	mg/l
Normal value for fresh water sediment	0,97	mg/kg
Normal value for marine water sediment	0,088	mg/kg
Normal value for water, intermittent release	30	mg/l
Normal value for marine water, intermittent release	0,03	mg/l
Normal value of STP microorganisms	100	mg/l
Normal value for the food chain (secondary poisoning)	10	mg/kg
Normal value for the terrestrial compartment	6,71	mg/kg

##### Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			0,25					
Inhalation			0,2				0,88	
			mg/m3				mg/m3	
Skin			0,25				0,5	
			mg/kg				mg/kg	

##### Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard

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; MED = medium hazard ; HIGH = high hazard.

#### PHENOL

Components with biological limit values:

IBE 250 mg/g creatinine

Samples: urine

Pickup time: at the end of the shift

Biological indicator: phenol

#### 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.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

##### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

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

##### EYE PROTECTION

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

##### RESPIRATORY PROTECTION

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type AX filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

##### ENVIRONMENTAL EXPOSURE CONTROLS

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

Respiratory protection:

In case of aerosol formation, it is recommended to wear a suitable respiratory protective device equipped with an ABEK P2 filter (EN 14387).

### SECTION 9. Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	pink	
Odour	solvent	
Melting point / freezing point	not available	
Initial boiling point	not available	Reason for missing data:In corso di determinazione
Flammability	not available	Reason for missing data:In corso di determinazione
Lower explosive limit	2,1 % (v/v)	Remark:Non esplosivo
Upper explosive limit	13 % (v/v)	Remark:Non esplosivo
Flash point	-19 °C	
Auto-ignition temperature	not available	Reason for missing data:In corso di determinazione
Decomposition temperature	not available	Reason for missing data:In corso di determinazione
pH	not available	Reason for missing data:Apolare
Kinematic viscosity	not available	
Dynamic viscosity	2900 - 4100 mPa*s	
Solubility	miscible	
Partition coefficient: n-octanol/water	not applicable	
Vapour pressure	233 hPa	

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Density and/or relative density	0,86 g/cm <sup>3</sup>
Relative vapour density	not available
Particle characteristics	not applicable

#### 9.2. Other information

##### 9.2.1. Information with regard to physical hazard classes

Information not available

##### 9.2.2. Other safety characteristics

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.

##### ACETONE

Decomposes under the effect of heat.

##### ETHYL ACETATE

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

##### ACETONE

Risk of explosion on contact with: bromine trifluoride, fluorine dioxide, hydrogen peroxide, nitrosyl chloride, 2-methyl-1,3 butadiene, nitromethane, nitrosyl perchlorate. May react dangerously with: potassium tert-butoxide, alkaline hydroxides, bromine, bromoform, isoprene, sodium, sulphur dioxide, chromium trioxide, chromyl chloride, nitric acid, chloroform, peroxymonosulphuric acid, phosphoryl oxychloride, chromosulphuric acid, fluorine, strong oxidising agents, strong reducing agents. Develops flammable gas on contact with: nitrosyl perchlorate.

##### ETHYL ACETATE

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

#### 10.4. Conditions to avoid

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

##### ACETONE

Avoid exposure to: sources of heat, naked flames.

##### ETHYL ACETATE

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

#### 10.5. Incompatible materials

##### ACETONE

Incompatible with: acids, oxidising substances.

##### ETHYL ACETATE

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

#### 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.

##### ACETONE

May develop: ketenes, irritant substances.



### SECTION 11. Toxicological information

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

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

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

##### Information on likely routes of exposure

Information not available

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

Information not available

##### Interactive effects

Information not available

##### ACUTE TOXICITY

ATE (Inhalation - mists / powders) of the mixture:	> 5 mg/l
ATE (Oral) of the mixture:	>2000 mg/kg
ATE (Dermal) of the mixture:	>2000 mg/kg

##### PHENOL

LD50 (Dermal):	317 mg/kg Rat
ATE (Dermal):	300 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
LD50 (Oral):	850 mg/kg Rat
ATE (Oral):	100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

##### Hydrocarbons, C10-C13, n alkanes, isoalkanes, cyclics, <

2% aromatic

LD50 (Dermal):	> 5000 mg/kg Rabbit - equivalent or similar to OECD Guideline 402
LD50 (Oral):	> 15000 mg/kg Rat - equivalent or similar to OECD Guideline 401
LC50 (Inhalation mists/powders):	> 5,6 mg/l/4h Rat

##### METHEAMINE

LD50 (Dermal):	> 2000 mg/kg Rat - OECD Guideline 402
LD50 (Oral):	9200 mg/kg Rat - OECD Guideline 423

Cashew (Anacardium  
Western) Nutshell Extract,  
Decarboxylated, Distilled

LD50 (Dermal):	2000 mg/kg Rat - OECD Guideline 402
LD50 (Oral):	> 2000 mg/kg Rat - OECD Guideline 423

##### SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.

##### METHEAMINE

Not irritating

Cashew (Anacardium  
Western) Nutshell Extract,  
Decarboxylated, Distilled

Irritating

### SECTION 11. Toxicological information ... / >>

#### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

METHEAMINE  
Not irritating

Cashew (Anacardium  
Western) Nutshell Extract,  
Decarboxylated, Distilled  
Corrosive

#### RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

Cashew (Anacardium  
Western) Nutshell Extract,  
Decarboxylated, Distilled  
Sensitizing

#### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

METHEAMINE  
Negative - bacterial reverse mutation assay (e.g. Ames test)  
Positive - In vitro mammalian chromosomal aberration test

#### 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

May cause drowsiness or dizziness

#### 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

### 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

### SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

#### 12.1. Toxicity

Hydrocarbons, C10-C13, n alkanes, isoalkanes, cyclics, <  
2% aromatic

LC50 - for Fish

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

Chronic NOEC for Algae / Aquatic Plants

> 1000 mg/l/96h Pimephales promelas - OECD Guideline 203

> 1000 mg/l/48h Daphnia magna - OECD Guideline 202

> 1000 mg/l/72h Pseudokirchneriella subcapitata - OECD Guideline 201

1000 mg/l Pseudokirchneriella subcapitata - OECD Guideline 201

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METHEAMINE  
LC50 - for Fish 49800 mg/l/96h Pimephales promelas - OECD Guideline 203  
EC50 - for Crustacea 36000 mg/l/48h Daphnia magna - OECD Guideline 203  
EC50 - for Algae / Aquatic Plants 3000 mg/l/72h Selenastrum capricornutum - Algal Assay Procedure  
Chronic NOEC for Algae / Aquatic Plants 1500 mg/l Selenastrum capricornutum - Algal Assay Procedure

Cashew (Anacardium  
Western) Nutshell Extract,  
Decarboxylated, Distilled  
LC50 - for Fish 1000 mg/l/96h OECD Guideline 203  
Chronic NOEC for Algae / Aquatic Plants 125 mg/l Skeletonema costatum - ISO 253

#### 12.2. Persistence and degradability

Hydrocarbons, C10-C13, n alkanes, isoalkanes, cyclics, <  
2% aromatic  
Readily biodegradable: 80% degradability in 28 days of exposure - OECD Guideline 301 F (Ready  
Biodegradability: Manometric  
Respirometry Test)

METHEAMINE  
Not intrinsically biodegradable: degradability 67% 28 days of exposure (OECD Guideline 302 B)  
Not readily biodegradable: 35% degradability 28 days of exposure (OECD Guideline 301 D)

Cashew (Anacardium  
Western) Nutshell Extract,  
Decarboxylated, Distilled  
Readily biodegradable

ACETONE  
Rapidly degradable

ETHYL ACETATE  
Solubility in water > 10000 mg/l  
Rapidly degradable

PHENOL  
Rapidly degradable

#### 12.3. Bioaccumulative potential

ACETONE  
Partition coefficient: n-octanol/water -0,23  
BCF 3

ETHYL ACETATE  
Partition coefficient: n-octanol/water 0,68  
BCF 30

PHENOL  
Partition coefficient: n-octanol/water 1,47

#### 12.4. Mobility in soil

METHEAMINE  
-2.18 at 20°C (OECD Guideline 107)

#### 12.5. Results of PBT and vPvB assessment

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

#### 12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

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#### 12.7. Other adverse effects

Information not available

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

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

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

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

### SECTION 14. Transport information

#### 14.1. UN number or ID number

ADR / RID, IMDG, IATA: UN 1133

#### 14.2. UN proper shipping name

ADR / RID: ADHESIVES

IMDG: ADHESIVES

IATA: ADHESIVES

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

ADR / RID: Class: 3 Label: 3

IMDG: Class: 3 Label: 3

IATA: Class: 3 Label: 3



#### 14.4. Packing group

ADR / RID, IMDG, IATA: II

#### 14.5. Environmental hazards

ADR / RID: NO

IMDG: not marine pollutant

IATA: NO

#### 14.6. Special precautions for user

ADR / RID: HIN - Kemler: 33  
Special provision: 640D

Limited Quantities: 5 lt

Tunnel restriction code: (D/E)

IMDG: EMS: F-E, S-D

Limited Quantities: 5 lt

IATA: Cargo:

Maximum quantity: 60 L

Packaging instructions: 364

Passengers:

Maximum quantity: 5 L

Packaging instructions: 353

Special provision:

A3

#### 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

### SECTION 15. Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EU:

P5c

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

Product

Point 3 - 40

Contained substance

Point	75	ACETONE
Point	75	ETHYL ACETATE
Point	75	PHENOL

REACH Reg.: 01-2119471329-32-0080

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Regulated explosives precursor

The acquisition, introduction, possession or use of that regulated explosives precursor by members of the general public is subject to reporting obligations as set out in Article 9.

All suspicious transactions and significant disappearances and thefts must be reported to the relevant national contact point.

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

#### 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

### SECTION 16. Other information

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

<b>Flam. Liq. 2</b>	Flammable liquid, category 2
<b>Flam. Sol. 2</b>	Flammable solid, category 2
<b>Muta. 2</b>	Germ cell mutagenicity, category 2
<b>Acute Tox. 3</b>	Acute toxicity, category 3
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>STOT RE 2</b>	Specific target organ toxicity - repeated exposure, category 2
<b>Skin Corr. 1B</b>	Skin corrosion, category 1B
<b>Skin Corr. 1C</b>	Skin corrosion, category 1C
<b>Skin Corr. 1</b>	Skin corrosion, category 1
<b>Eye Dam. 1</b>	Serious eye damage, category 1
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>Skin Sens. 1A</b>	Skin sensitization, category 1A
<b>Skin Sens. 1B</b>	Skin sensitization, category 1B
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3

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<b>H225</b>	Highly flammable liquid and vapour.
<b>H228</b>	Flammable solid.
<b>H341</b>	Suspected of causing genetic defects.
<b>H301</b>	Toxic if swallowed.
<b>H311</b>	Toxic in contact with skin.
<b>H331</b>	Toxic if inhaled.
<b>H312</b>	Harmful in contact with skin.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H314</b>	Causes severe skin burns and eye damage.
<b>H318</b>	Causes serious eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H336</b>	May cause drowsiness or dizziness.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148

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18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707
24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
24. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

#### CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

#### Changes to previous review:

The following sections were modified:

02 / 03 / 04 / 08 / 11 / 12 / 14 / 15 / 16.