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

1.1. Product identifier

Product form : Substance
Trade name : Vaeclean
EC Index : 606-001-00-8
EC-No. : 200-662-2
CAS-No. : 67-64-1
REACH registration No : 01-2119471330-49
Synonyms : dimethylketon; 2-propanon
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Industrial uses
Use of the substance/mixture : Further information: see technical data sheet. TDS Vaeclean

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Imperbel N.V./S.A
Guido Gezellestraat 123
1654 Beersel (Huizingen), Belgium
Tel.+32 2 334 87 00
Fax:+32 2 378 14 69
infobe@derbigum.com
www.derbigum.be

1.4. Emergency telephone number

Emergency number : + 32 3 575 55 55 (24h/24h)

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)


SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225
Eye Irrit. 2 H319
STOT SE 3 H336

Full text of H- and EUH-statements: see section 16

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word :

Danger

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 - Take action to prevent static discharges.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 - Get medical advice/attention if you feel unwell.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

Extra phrases :

EUH066 - Repeated exposure may cause skin dryness or cracking.

Listed in Annex VI :

EC Index-No.: 606-001-00-8

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII


Component	
acetone; propan-2-one; propanone (67-64-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
acetone; propan-2-one; propanone(67-64-1)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance name : Vaeclean
CAS-No. : 67-64-1
EC-No. : 200-662-2
EC Index : 606-001-00-8

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Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetone; propan-2-one; propanone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index) 606-001-00-8	≥ 99	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of H- and EUH-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice	: First aider: Pay attention to self-protection!. See also section 8 . In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically.
Inhalation	: Provide fresh air. Keep at rest. Give oxygen or artificial respiration if necessary. Call a physician immediately.
Skin contact	: Take off immediately all contaminated clothing. Wash with plenty of water/. In case of doubt or persistent symptoms, consult always a physician. Wash contaminated clothing before reuse.
Eyes contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
Ingestion	: Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice. Get medical advice/attention if you feel unwell.

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

Inhalation	: Vapours may cause drowsiness and dizziness. Tiredness. Inhalation of vapours in high concentration can cause narcotic effects and metabolic acidosis. May cause respiratory irritation. The following symptoms may occur: Headache. Nausea, ...
Skin contact	: Chronic exposure may cause dermatitis. Repeated exposure may cause skin dryness or cracking.
Eyes contact	: Causes serious eye irritation. The following symptoms may occur: erythema (redness). Blurred vision. Pain.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.


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

Symptoms may be delayed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.
Unsuitable extinguishing media	: Strong water jet .

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5.2. Special hazards arising from the substance or mixture

Specific hazards : Danger of bursting container. Vapours may form explosive mixture with air. Vapours are heavier than air and may spread along floors. Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. Hazardous decomposition products COx. Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

5.3. Advice for firefighters

Firefighting instructions : Special protective equipment for firefighters. In case of fire: Wear self-contained breathing apparatus. Cool containers / tanks with water spray. Evacuate personnel to a safe area.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate personnel to a safe area. Stay upwind/keep distance from source. Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothing. Vapours may form explosive mixture with air. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use only non-sparking tools. Use explosion-proof equipment.

6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8 .

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Dam up. Recover large spills by pumping (use an explosion proof or hand pump). Dispose of contaminated materials in accordance with current regulations. Clean-up methods - small spillage: . Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite or powdered limestone. Collect in closed and suitable containers for disposal. Dispose of waste product or used containers according to local regulations. Site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.


6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8 . Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures : Keep good industrial hygiene. When using do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling of the product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and shoes.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Storage of flammable liquids (LGK3). Keep containers tightly closed in a dry, cool and well-ventilated place. Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity. Ensure equipment is adequately earthed.
Incompatible substances or mixtures	: Strong oxidizing agents. Strong bases.
Heat and ignition sources	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep out of direct sunlight.
Packaging materials	: Keep only in the original container. Recommended packaging materials : Steel. Stainless steel .


7.3. Specific end use(s)

No additional information available


SECTION 8: Exposure controls/personal protection

8.1. Control parameters


acetone; propan-2-one; propanone (67-64-1)		
EU	IOEL TWA	1210 mg/m ³
EU	IOEL TWA [ppm]	500 ppm
Austria	MAK (OEL TWA)	1200 mg/m ³
Austria	MAK (OEL TWA) [ppm]	500 ppm
Austria	MAK (OEL STEL)	4800 mg/m ³
Austria	MAK (OEL STEL) [ppm]	2000 ppm
Belgium	OEL TWA	1210 mg/m ³
Belgium	OEL TWA [ppm]	500 ppm
Belgium	OEL STEL	2420 mg/m ³
Belgium	OEL STEL [ppm]	1000 ppm
Bulgaria	OEL TWA	600 mg/m ³
Bulgaria	OEL STEL	1400 mg/m ³
Croatia	GVI (OEL TWA) [1]	1210 mg/m ³
Croatia	GVI (OEL TWA) [2]	500 ppm
Cyprus	OEL TWA	1210 mg/m ³
Cyprus	OEL TWA [ppm]	500 ppm
Czech Republic	PEL (OEL TWA)	800 mg/m ³
Denmark	OEL TWA [1]	600 mg/m ³
Denmark	OEL TWA [2]	250 ppm
Estonia	OEL TWA	1210 mg/m ³
Estonia	OEL TWA [ppm]	500 ppm
Finland	HTP (OEL TWA) [1]	1200 mg/m ³
Finland	HTP (OEL TWA) [2]	500 ppm
Finland	HTP (OEL STEL)	1500 mg/m ³
Finland	HTP (OEL STEL) [ppm]	630 ppm
France	VME (OEL TWA)	1210 mg/m ³ (restrictive limit)
France	VME (OEL TWA) [ppm]	500 ppm (restrictive limit)
France	VLE (OEL C/STEL)	2420 mg/m ³ (restrictive limit)

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acetone; propan-2-one; propanone (67-64-1)		
France	VLE (OEL C/STEL) [ppm]	1000 ppm (restrictive limit)
Germany	Occupational exposure limit value (mg/m ³) (TRGS900)	1200 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	Occupational exposure limit value (ppm) (TRGS900)	500 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	Biological limit value	80 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift
Gibraltar	OEL TWA	1210 mg/m ³
Gibraltar	OEL TWA [ppm]	500 ppm
Greece	OEL TWA	1780 mg/m ³
Greece	OEL STEL	3560 mg/m ³
Hungary	AK (OEL TWA)	1210 mg/m ³
Ireland	OEL TWA [1]	1210 mg/m ³
Ireland	OEL TWA [2]	500 ppm
Ireland	OEL STEL	3630 mg/m ³ (calculated)
Ireland	OEL STEL [ppm]	1500 ppm (calculated)
Italy	OEL TWA	1210 mg/m ³
Italy	OEL TWA [ppm]	500 ppm
Latvia	OEL TWA	1210 mg/m ³
Latvia	OEL TWA [ppm]	500 ppm
Lithuania	IPRV (OEL TWA)	1210 mg/m ³
Lithuania	IPRV (OEL TWA) [ppm]	500 ppm
Lithuania	TPRV (OEL STEL)	2420 mg/m ³
Lithuania	TPRV (OEL STEL) [ppm]	1000 ppm
Luxembourg	OEL TWA	1210 mg/m ³
Luxembourg	OEL TWA [ppm]	500 ppm
Malta	OEL TWA	1210 mg/m ³
Malta	OEL TWA [ppm]	500 ppm
Netherlands	TGG-8u (OEL TWA)	1210 mg/m ³
Netherlands	TGG-15min (OEL STEL)	2420 mg/m ³
Poland	NDS (OEL TWA)	600 mg/m ³
Poland	NDSCh (OEL STEL)	1800 mg/m ³
Portugal	OEL TWA	1210 mg/m ³ (indicative limit value)
Portugal	OEL TWA [ppm]	500 ppm (indicative limit value)
Portugal	OEL STEL [ppm]	750 ppm
Romania	OEL TWA	1210 mg/m ³
Romania	OEL TWA [ppm]	500 ppm
Slovakia	NPHV (OEL TWA) [1]	1210 mg/m ³
Slovakia	NPHV (OEL TWA) [2]	500 ppm
Slovenia	OEL TWA	1210 mg/m ³

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acetone; propan-2-one; propanone (67-64-1)		
Slovenia	OEL TWA [ppm]	500 ppm
Slovenia	OEL STEL	2420 mg/m ³
Slovenia	OEL STEL [ppm]	1000 ppm
Spain	VLA-ED (OEL TWA) [1]	1210 mg/m ³ (indicative limit value)
Spain	VLA-ED (OEL TWA) [2]	500 ppm (indicative limit value)
Sweden	NGV (OEL TWA)	600 mg/m ³
Sweden	NGV (OEL TWA) [ppm]	250 ppm
Sweden	KTV (OEL STEL)	1200 mg/m ³
Sweden	KTV (OEL STEL) [ppm]	500 ppm
United Kingdom	WEL TWA (OEL TWA) [1]	1210 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	500 ppm
United Kingdom	WEL STEL (OEL STEL)	3620 mg/m ³
United Kingdom	WEL STEL (OEL STEL) [ppm]	1500 ppm
Norway	Grenseverdi (OEL TWA) [1]	295 mg/m ³
Norway	Grenseverdi (OEL TWA) [2]	125 ppm
Norway	Korttidsverdi (OEL STEL)	368,75 mg/m ³ (value calculated)
Norway	Korttidsverdi (OEL STEL) [ppm]	156,25 ppm (value calculated)
Switzerland	MAK (OEL TWA) [1]	1200 mg/m ³
Switzerland	MAK (OEL TWA) [2]	500 ppm
Switzerland	KZGW (OEL STEL)	2400 mg/m ³
Switzerland	KZGW (OEL STEL) [ppm]	1000 ppm
Australia	OES TWA [1]	1185 mg/m ³
Australia	OES TWA [2]	500 ppm
Australia	OES STEL	2375 mg/m ³
Australia	OES STEL [ppm]	1000 ppm
Canada (Quebec)	VECD (OEL STEL)	2380 mg/m ³
Canada (Quebec)	VECD (OEL STEL) [ppm]	1000 ppm
Canada (Quebec)	VEMP (OEL TWA)	1190 mg/m ³
Canada (Quebec)	VEMP (OEL TWA) [ppm]	500 ppm
USA - ACGIH	ACGIH OEL TWA [ppm]	250 ppm
USA - ACGIH	ACGIH OEL STEL [ppm]	500 ppm
USA - IDLH	IDLH [ppm]	2500 ppm (10% LEL)
USA - NIOSH	NIOSH REL TWA	590 mg/m ³
USA - NIOSH	NIOSH REL TWA [ppm]	250 ppm
USA - OSHA	OSHA PEL TWA [1]	2400 mg/m ³
USA - OSHA	OSHA PEL TWA [2]	1000 ppm

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8.2. Exposure controls

Engineering measure(s)	: Provide adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use only explosion-proof equipment. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Take precautionary measures against static discharges. Organisational measures to prevent /limit releases, dispersion and exposure. See also section 7 .
Personal protective equipment	: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hand protection	: Wear chemically resistant gloves (tested to EN374) . Butyl caoutchouc (butyl rubber) : Thickness of the glove material: $\geq 0,5$ mm. Breakthrough time : > 4 h. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Eye protection	: tightly fitting safety goggles. Safety glasses (EN166).
Body protection	: Flame-retardant protective clothing /. Solvent-resistant apron and boots .
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment : Half-face mask (DIN EN 140) (EN 140). full face mask (DIN EN 136) (EN 136). Filter type: AX (EN 371). Have available emergency self-contained breathing apparatus or full-face airline respirator when using this chemical.




Thermal hazard protection	: Not required for normal conditions of use . Use dedicated equipment.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: liquid.
Molecular weight	: 58,09 g/mol
Colour	: Colourless.
Odour	: Characteristic. Sweet.
Odour threshold	: ~ 13 ppm
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting / freezing point	: -94,7 °C
Freezing point	: No data available
Initial boiling point and boiling range	: 55,8 – 56,6 °C
Flash point	: -18 °C Closed cup
Auto-ignition temperature	: 540 °C Ignition temperature

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Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable, liquid
Vapour pressure	: 247 hPa @ 20°C
Vapour density	: No data available
Relative density	: No data available
Density	: 0,791 g/cm ³ @ 20°C
Solubility	: % No data available. Water: completely miscible
Partition coefficient n-octanol/water	: -0,24 @ 20°C
Kinematic viscosity	: No data available
Dynamic viscosity	: No data available
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	: 2,1 – 13 vol %
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Additional information : refraction index 1,358 - 1,359

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour. Reference to other sections 10.5.

10.2. Chemical stability


The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air. See also section 7 : Handling and storage .

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. See also section 7 : Handling and storage .

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10.5. Incompatible materials

Reducing agent. oxidising substances. Halogenated compounds. alkali metals. Hydrogen peroxide, C₂H₇NO. See also section 7 .

10.6. Hazardous decomposition products

Hazardous decomposition products. Carbon oxides .

SECTION 11: Toxicological information

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

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

acetone; propan-2-one; propanone (67-64-1)	
LD50/oral/rat	5800 mg/kg
LD50/dermal/rabbit	> 15700 mg/kg
LC50/inhalation/4h/rat	50100 mg/m ³ (Exposure time: 8 h)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: Not applicable

Serious eye damage/irritation : Causes serious eye irritation.
pH: Not applicable

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Vaeclean (67-64-1)	
Kinematic viscosity	0,33 mm ² /s @ 20°C

Other information : Symptoms related to the physical, chemical and toxicological characteristics.
Reference to other sections 4.2.

11.2. Information on other hazards


11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

11.2.2 Other information

Other information : Symptoms related to the physical, chemical and toxicological characteristics,Reference to other sections 4.2

SECTION 12: Ecological information

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12.1. Toxicity

Environmental properties : not hazardous.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

acetone; propan-2-one; propanone (67-64-1)	
LC50 - Fish [1]	4,74 – 6,33 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LC50 - Fish [2]	6210 – 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	10294 – 17704 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 - Crustacea [2]	12600 – 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

Vaeclean (67-64-1)	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	1,900 (after {5} days)

12.3. Bioaccumulative potential

Vaeclean (67-64-1)	
Bioconcentration factor (BCF)	< 10
Partition coefficient n-octanol/water	-0,24 @ 20°C

acetone; propan-2-one; propanone (67-64-1)	
BCF - Fish [1]	(0,69 dimensionless)
Partition coefficient n-octanol/water	-0,24

12.4. Mobility in soil


Vaeclean (67-64-1)	
Ecology - soil	Product is easily volatile.

12.5. Results of PBT and vPvB assessment

Component	
acetone; propan-2-one; propanone (67-64-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

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12.7. Other adverse effects

Additional information : No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Handle with care. See Section 7 for information on safe handling. Do not allow to enter into surface water or drains. Refer to manufacturer/supplier for information on recovery/recycling. Collect and dispose of waste product at an authorised disposal facility. Dispose of contaminated materials in accordance with current regulations.






Additional information : This material and its container must be disposed of as hazardous. Do not puncture or incinerate. Do not burn, or use a cutting torch on, the empty drum. Delivery to an approved waste disposal company. If recycling is not practicable, dispose of in compliance with local regulations. Handle contaminated packages in the same way as the substance itself.


Further ecological information : Do not allow to enter into surface water or drains.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : Classified as hazardous waste according to European Union regulations. The following Waste Codes are only suggestions:
 07 01 04* - other organic solvents, washing liquids and mother liquors,
 15 01 10* - packaging containing residues of or contaminated by dangerous substances .
 Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

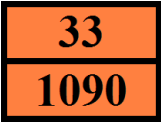
In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1090	1090	1090	1090	1090
14.2. UN proper shipping name				
ACETONE	ACETONE	Acetone	ACETONE	ACETONE
Transport document description				
UN 1090 ACETONE, 3, II, (D/E)	UN 1090 ACETONE, 3, II (-20°C c.c.)	UN 1090 Acetone, 3, II	UN 1090 ACETONE, 3, II	UN 1090 ACETONE, 3, II
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

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14.6. Special precautions for user

- Overland transport


Classification code (ADR)	: F1
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 33
Orange plates	: 
Tunnel restriction code	: D/E
EAC code	: •2YE

- Transport by sea

Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: E
Flash point (IMDG)	: -20°C to -18°C c.c.
Properties and observations (IMDG)	: Colourless, clear liquid, with a characteristic mint-like odour. Flashpoint: -20°C to -18°C c.c. Explosive limits: 2.5% to 13% Miscible with water.

- Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364

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CAO max net quantity (IATA) : 60L
 ERG code (IATA) : 3H

- Inland waterway transport

Classification code (ADN) : F1
 Limited quantities (ADN) : 1 L
 Excepted quantities (ADN) : E2
 Carriage permitted (ADN) : T
 Equipment required (ADN) : PP, EX, A
 Ventilation (ADN) : VE01
 Number of blue cones/lights (ADN) : 1

- Rail transport

Classification code (RID) : F1
 Limited quantities (RID) : 1L
 Excepted quantities (RID) : E2
 Packing instructions (RID) : P001, IBC02, R001
 Mixed packing provisions (RID) : MP19
 Portable tank and bulk container instructions (RID) : T4
 Portable tank and bulk container special provisions (RID) : TP1
 Tank codes for RID tanks (RID) : LGBF
 Transport category (RID) : 2
 Colis express (express parcels) (RID) : CE7
 Hazard identification number (RID) : 33

14.7. Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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


15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Vaeclean ; acetone; propan-2-one; propanone
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Vaeclean ; acetone; propan-2-one; propanone
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Vaeclean ; acetone; propan-2-one; propanone

Vaeclean is not on the REACH Candidate List


Vaeclean is not on the REACH Annex XIV List

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15.1.2. National regulations

France

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
1434.text	Liquides inflammables, liquides de point éclair compris entre 60° C et 93° C (1), fiouls lourds et pétroles bruts, à l'exception des liquides mentionnés à la rubrique 4755 et des autres boissons alcoolisées (installation de remplissage ou de distribution, à l'exception des stations-service visées à la rubrique 1435). (1) A l'exception de ceux ayant donné des résultats négatifs à une épreuve de combustion entretenue reconnue par le ministre chargé des installations classées.		
1434.1a	1. Installations de chargement de véhicules citernes, de remplissage de récipients mobiles, le débit maximum de l'installation étant : a) Supérieur ou égal à 100 m ³ /h	A	1
1434.1b	1. Installations de chargement de véhicules citernes, de remplissage de récipients mobiles, le débit maximum de l'installation étant : b) Supérieur ou égal à 5 m ³ /h, mais inférieur à 100 m ³ /h	DC	
1434.2	2. Installations de chargement ou de déchargement desservant un stockage de ces liquides soumis à autorisation	A	1
1435.text	Stations-service : installations, ouvertes ou non au public, où les carburants sont transférés de réservoirs de stockage fixes dans les réservoirs à carburant de véhicules. Le volume annuel de carburant liquide distribué étant :		
1435.1	1. Supérieur à 20 000 m ³ Nota.-Les débits sont exprimés pour une température de gaz de 273,15 K à une pression de 101,325 kPa.	A	1
1435.2	2. Supérieur à 100 m ³ d'essence ou 500 m ³ au total, mais inférieur ou égal à 20 000 m ³ Nota.-Les débits sont exprimés pour une température de gaz de 273,15 K à une pression de 101,325 kPa.	E	
1435.3	3. Supérieur à 100 m ³ d'essence ou 500 m ³ au total, mais inférieur ou égal à 20 000 m ³ Nota.-Les débits sont exprimés pour une température de gaz de 273,15 K à une pression de 101,325 kPa.	DC	
4330.text	Liquides inflammables de catégorie 1, liquides inflammables maintenus à une température supérieure à leur point d'ébullition, autres liquides de point éclair inférieur ou égal à 60° C maintenus à une température supérieure à leur température d'ébullition ou dans des conditions particulières de traitement, telles qu'une pression ou une température élevée (1).		

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4330.1	<p>La quantité totale susceptible d'être présente dans les installations y compris dans les cavités souterraines étant :</p> <p>1. Supérieure ou égale à 10 t (1) Conformément à la section 2.6.4.5 de l'annexe I du règlement (CE) n° 1272/2008, il n'est pas nécessaire de classer les liquides ayant un point d'éclair supérieur à 35° C dans la catégorie 3 si l'épreuve de combustion entretenue du point L 2, partie III, section 32, du Manuel d'épreuves et de critères des Nations unies a donné des résultats négatifs. Toutefois, cette remarque n'est pas valable en cas de température ou de pression élevée, et ces liquides doivent alors être classés dans cette catégorie. Quantité seuil bas au sens de l'article R. 511-10 : 10 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 t.</p>	A	2
4330.2	<p>La quantité totale susceptible d'être présente dans les installations y compris dans les cavités souterraines étant :</p> <p>2. Supérieure ou égale à 1 t mais inférieure à 10 t (1) Conformément à la section 2.6.4.5 de l'annexe I du règlement (CE) n° 1272/2008, il n'est pas nécessaire de classer les liquides ayant un point d'éclair supérieur à 35° C dans la catégorie 3 si l'épreuve de combustion entretenue du point L 2, partie III, section 32, du Manuel d'épreuves et de critères des Nations unies a donné des résultats négatifs. Toutefois, cette remarque n'est pas valable en cas de température ou de pression élevée, et ces liquides doivent alors être classés dans cette catégorie. Quantité seuil bas au sens de l'article R. 511-10 : 10 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 t.</p>	DC	
4331.text	<p>Liquides inflammables de catégorie 2 ou catégorie 3 à l'exclusion de la rubrique 4330. La quantité totale susceptible d'être présente dans les installations y compris dans les cavités souterraines étant :</p>		
4331.1	<p>1. Supérieure ou égale à 1000 t Quantité seuil bas au sens de l'article R. 511-10 : 5 000 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 000 t.</p>	A	2
4331.2	<p>2. Supérieure ou égale à 100 t mais inférieure à 1000 t Quantité seuil bas au sens de l'article R. 511-10 : 5 000 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 000 t.</p>	E	
4331.3	<p>3. Supérieure ou égale à 50 t mais inférieure à 100 t Quantité seuil bas au sens de l'article R. 511-10 : 5 000 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 000 t.</p>	DC	

Germany

Regulatory reference	: WGK 1, Slightly hazardous to water (Classification according to AwSV)
Risk classification according to VbF	: B - Liquids with a flashpoint below 21°C, but soluble in water at 15°C or flammable ingredients that are soluble in water at 15°C
Hazardous Incident Ordinance (12. BlmSchV)	: Listed in the 12. BlmSchV (Annex I) under: 1.2.5.3 Quantity threshold for operational area under § 1 para. 1 <ul style="list-style-type: none"> - Sentence 1: 5000000 kg - Sentence 2: 50000000 kg

Netherlands

Waterbezwaarlijkheid	: B (5) - Weinig schadelijk voor in het water levende organismen
Saneringsinspanningen	: B - Lozing minimaliseren; toepassen van best uitvoerbare technieken
SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed

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SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment


No additional information available

SECTION 16: Other information

Indication of changes:

	Mixtures		
1	Issue date	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.3	ED text	Added	
7.2	Incompatible substances or mixtures	Added	
7.2	Incompatible substances or mixtures	Modified	
9.1	Oxidising properties	Modified	
9.2	Information with regard to physical hazard classes	Added	
9.2	Other safety characteristics	Added	
11.2	Adverse health effects caused by endocrine disrupting properties	Added	
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added	
14.1	UN-No. (ADN)	Added	
14.7	Maritime transport in bulk according to IMO instruments	Added	
15.1	REACH Annex XVII	Modified	

Abbreviations and acronyms:

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	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	EC50 = Median Effective Concentration
	LD50 = Median lethal dose
	LC50 = Median lethal concentration
	EWC = European waste catalogue
	TLV = Threshold limits
	TWA = time weighted average
	STEL = Short term exposure limit
	PBT = persistent, bioaccumulating and toxic (PBT).
	vPvB = very persistent and very bioaccumulating
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the : European Chemicals Bureau (<http://esis.jrc.ec.europa.eu>) SDS Supplier datasheet '322/Sidablatt-Reiniger' revision date 30.07.2012.

Full text of H- and EUH-statements:

EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
 Classification according to Regulation (EC) No. 1272/2008 [CLP]
 Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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