

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 20/02/2013 Revision date: 09/11/2022 Supersedes version of: 17/02/2021 Version: 5.0

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

1.1. Product identifier		
Product form	: Substance	
Substance name	: Acetone	
Chemical name	: acetone; propan-2-one; propanone	
IUPAC name	: Acetone	
EC Index-No.	: 606-001-00-8	
EC-No.	: 200-662-2	
CAS-No.	: 67-64-1	
REACH registration No	: 01-2119471330-49	
Product code Type of product	: ACETGEN : Solvents	
1.2. Relevant identified uses of the substa	ance or mixture and uses advised against	
1.2.1. Relevant identified uses		
Main use category	: Industrial use, Professional use	
Use of the substance/mixture	: Blowing agents - Industrial	
	Manufacture:, Distribution of substance and Mixtures - Industrial	
	Mining chemicals - Industrial	
	Manufacture of Polymers Industrial	
	Polymer processing - Industrial	
	Rubber production and processing - Industrial Use as binders and release agents - Industrial	
	Use in laboratories - Industrial	
	Use in Cleaning Agents - Industrial	
	Uses in Coatings - Industrial	
	Use in Oil and Gas field drilling and production operations - Industrial	
	Use in Agrochemicals - Professional	
	De-icing and anti-icing applications - Professional	
	Explosives manufacture and use - Professional	
	Manufacture of Polymers Professional	
	Polymer processing - Professional Use as binders and release agents - Professional	
	Use in laboratories - Professional	
	Use in Cleaning Agents - Professional	
	Uses in Coatings - Professional	
	Use in Oil and Gas field drilling and production operations – Professional	
	De-icing and anti-icing applications - Consumer	
	Use in Cleaning Agents - Consumer	
	Uses in Coatings - Consumer	
Use of the substance/mixture	: Solvents	
1.2.2. Uses advised against		
Restrictions on use	: Not Otherwise Specified	
1.3. Details of the supplier of the safety da	ata sheet	
Supplier	EU	
J.V. Barrett & Co. Ltd	Barrettine (Europe) Ltd	
St Ivel Way	Unit 3D North Point House, North Point Business Park,	
Warmley	New Mallow Road	
BS30 8TY Bristol - United Kingdom	T23 AT2P Cork - Ireland	
T +44 (0)1179 60 00 60	T +353 21 206 6530	
<u>sales@barrettine.co.uk</u> - <u>www.barrettine.co.uk</u>	sales@barrettine.co.uk - www.barrettine.co.uk	
1.4. Emergency telephone number		
Emergency number	: +44 (0) 1179 600060 (Office hours only 8am - 5pm Mon- Thurs. 8 am - 4.30 pm Fri.)	
	+44 (0) 1270 502891 (Out of hours emergency number)	

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Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	NHS 111/NHS 24/NHS Direct	Edinburgh	111 0845 4647	or call a doctor
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]		
Flammable liquids, Category 2	H225	
Serious eye damage/eye irritation, Category 2	H319	
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	
Full text of H- and EUH-statements: see section 16		

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause drowsiness or dizziness. Causes serious eye irritation.

2.2. Label elements	
Labelling according to Regulation (EC) No. 1	272/2008 [CLP]
Hazard pictograms (CLP)	GHS02 GHS07
Signal word (CLP)	: 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. P240 - Ground and bond container and receiving equipment. P261 - Avoid breathing fume, mist, spray, vapours. P280 - Wear protective gloves, protective clothing, eye protection. P312 - Call a POISON CENTRE or doctor if you feel unwell. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. EUH066 - Repeated exposure may cause skin dryness or cracking.
2.3. Other hazards	

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type

: Mono-constituent

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Name	Product identifier	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Acetone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49	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	
First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effect	ts, both acute and delayed
Symptoms/effects Symptoms/effects after skin contact Symptoms/effects after eye contact	 May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking. Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Hazardous decomposition products in case of fire	Highly flammable liquid and vapour.Toxic fumes may be released.	
5.3. Advice for firefighters		
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.	

SECTION 6: Accidental release measures		
6.1. Personal precautions, protection	ve equipment and emergency procedures	
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing spray, vapours, mist, fume. Avoid contact with skin and eyes.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	

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6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containment	nt and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorised site.
6.4. Reference to other sections	

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing fume, mist, vapours, spray. Avoid contact with skin and eyes.
Hygiene measures :	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including an	y incompatibilities
	Ground/bond container and receiving equipment. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Acetone (67-64-1)	
United Kingdom - Occupational Exposure Limits	
Local name	Acetone
WEL TWA (OEL TWA) [1]	1210 mg/m³
WEL TWA (OEL TWA) [2]	500 ppm
WEL STEL (OEL STEL)	3620 mg/m ³
WEL STEL (OEL STEL) [ppm]	1500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Acetone (67-64-1)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	2420 mg/m ³
Long-term - systemic effects, dermal	186 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1210 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	62 mg/kg bodyweight/day

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Long-term - systemic effects, inhalation	200 mg/m ³	
Long-term - systemic effects, dermal	62 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	10.6 mg/l	
PNEC aqua (marine water)	1.06 mg/l	
PNEC aqua (intermittent, freshwater)	21 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	30.4 mg/kg dwt	
PNEC sediment (marine water)	3.04 mg/kg dwt	
PNEC (Soil)		
PNEC soil	29.5 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	100 mg/l	
8.2 Exposure controls		

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Materials for protective clothing:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hand protection:

Protective gloves					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
In case of contact through splashing, Repeated or prolonged exposure	Butyl rubber	5 (> 240 minutes)	0.5		

Eye protection:

Safety glasses. Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

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Device	Filter type	Condition	Standard
Full face mask, Aerosol mask, Disposable half mask	Filter AX (brown), Type P3	Vapour protection	

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Molecular mass	: 58.08 g/mol Source: pubchem
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -94.8 °C
Freezing point	: No data available
Boiling point	: 56.05 °C
Flash point	: -17 °C
Auto-ignition temperature	: 465 °C Source: ICSC
Decomposition temperature	: No data available
Flammability	: Not applicable
Vapour pressure	: 24 mm Hg 25°C Source: ICSC
Relative vapour density at 20°C	: 2 Source: HSDB
Relative density	: 0.8 Source: ICSC
Solubility	: completely miscible.
Partition coefficient n-octanol/water (Log Pow)	: -0.24 Source: ICSC
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 0.32 mPa.s
Explosive properties	: No data available
Oxidising properties	: No data available
Upper explosion limit	: 2.2 – 13 % Source: ICSC

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on toxicological effects	5	
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Not classified Not classified Not classified 	
Acetone (67-64-1)		
LD50 oral rat	5800 mg/kg bodyweight Animal: rat, Animal sex: female	
LD50 dermal rabbit	> 7400 mg/kg Source: ECHA	
LC50 Inhalation - Rat	76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4	
LC50 Inhalation - Rat (Vapours)	76 mg/l Source: ECHA	
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity	 Not classified Causes serious eye irritation. Not classified Not classified Not classified Not classified 	
Acetone (67-64-1)		
LOAEL (animal/female, F0/P)	11298 mg/kg bodyweight Animal: mouse, Animal sex: female	
NOAEL (animal/male, F0/P)	900 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)	
STOT-single exposure	: May cause drowsiness or dizziness.	
STOT-repeated exposure	: Not classified	
Aspiration hazard	: Not classified	

SECTION 12: Ecological information 12.1. Toxicity Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Hazardous to the aquatic environment, short-term (acute) : Not classified Hazardous to the aquatic environment, long-term (chronic) : Not classified Not rapidly degradable : Not classified

Acetone (67-64-1)	
LC50 - Fish [1]	6210 – 8120 mg/l Source: ECHA
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

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12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
Acetone (67-64-1)	
Partition coefficient n-octanol/water (Log Pow)	-0.24 Source: ICSC
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Other adverse effects	
No additional information available	

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods Additional information	Dispose of contents/container in accordance with licensed collector's sorting instructions.Flammable vapours may accumulate in the container.

n accordance with ADR / IMI	DG / IATA / ADN / RID			
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
UN 1090	UN 1090	UN 1090	UN 1090	UN 1090
14.2. UN proper shippin	ig name			
ACETONE	ACETONE	Acetone	ACETONE	ACETONE
Transport document desci	ription			
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	П
14.5. Environmental ha	zards			
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

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14.6. Special precautions for user

Overland transport	
Classification code (ADR)	: F1
Limited quantities (ADR)	: 11
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001
Mixed packing provisions (ADR)	: MP19
	: T4
	: TP1
(ADR) Tank code (ADR)	: LGBF
Tank code (ADR)	
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	33
	33
	1090
	1070
Tunnel restriction code (ADR)	: D/E
EAC code	: •2YE
Transport by sea	
Limited quantities (IMDG)	: 1L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
. ,	: TP1
Tank special provisions (IMDG)	: F-E
EmS-No. (Fire)	: F-E : S-D
EmS-No. (Spillage)	
Stowage category (IMDG)	: E
Flash point (IMDG)	: -20°C to -18°C c.c.
Duenenties and share (MDC)	
Properties and observations (IMDG)	: Colourless, clear liquid, with a characteristic mint-like odour. Flashpoint: -20°C to -18°C
	: 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	c.c. Explosive limits: 2.5% to 13% Miscible with water.
Air transport PCA Excepted quantities (IATA)	c.c. Explosive limits: 2.5% to 13% Miscible with water.: E2
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364 60L
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) ERG code (IATA)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364 60L
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364 60L 3H
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Limited quantities (ADN)	c.c. Explosive limits: 2.5% to 13% Miscible with water. : E2 : Y341 : 1L : 353 : 5L : 364 : 60L : 3H : F1 : 1 L
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Limited quantities (ADN) Excepted quantities (ADN)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364 60L 3H F1 1 L E2
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) CAO max net quantity (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364 60L 3H F1 1 L E2 PP, EX, A
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) CAO max net quantity (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364 60L 3H F1 1 L E2 PP, EX, A VE01
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364 60L 3H F1 1 L E2 PP, EX, A
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN) Rail transport	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364 60L 3H F1 1L E2 PP, EX, A VE01 1
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364 60L 3H F1 1L E2 PP, EX, A VE01 1 F1
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Limited quantities (RID)	c.c. Explosive limits: 2.5% to 13% Miscible with water. : E2 : Y341 : 1L : 353 : 5L : 364 : 60L : 3H : F1 : 1L : E2 : PP, EX, A : VE01 : 1 : F1 : 1L
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) CAO max net quantity (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Limited quantities (RID) Excepted quantities (RID)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364 60L 3H F1 1L E2 PP, EX, A VE01 1 F1 E2
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Limited quantities (RID) Excepted quantities (RID) Packing instructions (RID)	 c.c. Explosive limits: 2.5% to 13% Miscible with water. E2 Y341 1L 353 5L 364 60L 3H F1 1L E2 PP, EX, A VE01 1 F1 1L E2 PP, EX, A VE01 1 F1 E1 E2 P01, IBC02, R001
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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Colis express (express parcels) (RID)	: CE7	
Hazard identification number (RID)	: 33	

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Listed on REACH	Annex XVII (Restriction Cond	itions). The following restrictions are applicable:
Reference code	Applicable on	Entry title or description
3(a)	Acetone	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
3(b)	Acetone	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
40.	Acetone	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.

Not listed on REACH Annex XIV (Authorisation List) Organic solvent Listed on the PIC list (Regulation EU 649/2012): Acetone Not listed on the POP list (Regulation EU 2019/1021)

Directive 2012/18/EU (SEVESO III)

Seveso Additional information

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
 List entry in the directive:: FLAMMABLE LIQUIDS; P5c
 Qualifying quantity 1: 5,000 t; Qualifying quantity 2: 50,000 t;

15.1.2. National regulations

Listed on ELINCS (European List of Notified Chemical Substances) Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on the Canadian DSL (Domestic Substances List) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

New format.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes version of	Modified	
1.3	Additional information	Added	
1.4	Additional information	Added	
15	Additional information	Added	

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

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	

The classification complies with : ATP 12

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.