

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 21.07.2026

Version number 10 (replaces version 9)

Revision: 21.07.2026

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

- **1.1 Product identifier**
- **Trade name:** UHU AP FB 60ML*12 L619
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Adhesive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
UHU GmbH
Herrmannstraße 7
D-77815 Bühl (Baden)
Tel.: 0049-(0)7223-284-0
E-mail: sds@boltonadhesives.com
Fax: 0049-(0)7223-284-245
- **Further information obtainable from:** PSRA
- **1.4 Emergency telephone number:**
Emergency medical information: 8am-10pm (seven days) contact
National Poisons Information Centre, Beaumont Hospital, Dublin 9. Tel 01 8092566

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
- **2.2 Label elements**
- **Classification needs to be in accordance with the NZ Hazardous Substances (Hazard Classification) Notice 2020**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
 
GHS02 GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**
Methyl acetate
Ethyl acetate
Acetone
- **Hazard statements**
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.

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- P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing vapours.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordance with national regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Determination of endocrine-disrupting properties

78-93-3 Butanone

List II

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Adhesive

Dangerous components:

CAS: 79-20-9 EINECS: 201-185-2 Index number: 607-021-00-X Reg.nr.: 01-2119459211-47-XXXX	Methyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	25-50%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43-XXXX	ethanol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥50 %	≥25-<50%
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46-XXXX	Ethyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	1-2.5%
CAS: 9004-70-0 Index number: 603-037-01-3	cellulose nitrate nitrocellulose ⚠ Expl. 1.1, H201	1-2.5%

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CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49-XXXX	Acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	1-2.5%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25-XXXX	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	<1%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43-XXXX	Butanone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	<1%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29-XXXX	n-butyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336, EUH066	<1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
No special measures required.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.

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- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Send for recovery or disposal in suitable receptacles.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 3
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

79-20-9 Methyl acetate

OEL (Ireland)	Short-term value: 760 mg/m ³ , 250 ppm Long-term value: 610 mg/m ³ , 200 ppm
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64-17-5 ethanol

OEL (Ireland) Short-term value: 1000 ppm

141-78-6 Ethyl acetate

OEL (Ireland) Short-term value: 1468 mg/m³, 400 ppm
Long-term value: 734 mg/m³, 200 ppm
IOELV

IOELV (EU) Short-term value: 1468 mg/m³, 400 ppm
Long-term value: 734 mg/m³, 200 ppm

67-64-1 Acetone

OEL (Ireland) Long-term value: 1210 mg/m³, 500 ppm
IOELV

IOELV (EU) Long-term value: 1210 mg/m³, 500 ppm

67-63-0 propan-2-ol

OEL (Ireland) Short-term value: 400 ppm
Long-term value: 200 ppm
Skin

78-93-3 Butanone

OEL (Ireland) Short-term value: 900 mg/m³, 300 ppm
Long-term value: 600 mg/m³, 200 ppm
Skin, IOELV

IOELV (EU) Short-term value: 900 mg/m³, 300 ppm
Long-term value: 600 mg/m³, 200 ppm

123-86-4 n-butyl acetate

OEL (Ireland) Short-term value: 723 mg/m³, 150 ppm
Long-term value: 241 mg/m³, 50 ppm
IOELV

IOELV (EU) Short-term value: 723 mg/m³, 150 ppm
Long-term value: 241 mg/m³, 50 ppm

DNELs
79-20-9 Methyl acetate

Oral	Consumer, oral, longterm exposition	21.5 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	43 mg/kg bw/day
	Consumer, dermal, shortterm exposition	203 mg/kg bw/day
Inhalative	Consumer, dermal, longterm exposition	21.5 mg/kg bw/day
	Worker, inhalative, shortterm exposition	3777 mg/m ³
	Worker, inhalative, longterm exposition	300 mg/m ³
	Consumer DNEL, acute inhalation	3777 mg/m ³
	Consumer, inhalative, longterm exposition	64 mg/m ³

64-17-5 ethanol

Oral	Consumer, oral, longterm exposition	87 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	343 mg/kg bw/day (rat)
	Consumer, dermal, longterm exposition	206 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	1900 mg/m ³ (rat)

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	Worker, inhalative, longterm exposition	950 mg/m ³ (rat)
	Consumer DNEL, acute inhalation	950 mg/m ³ (rat)
	Consumer, inhalative, longterm exposition	114 mg/m ³
141-78-6 Ethyl acetate		
Oral	Consumer, oral, longterm exposition	4.5 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	63 mg/kg bw/day
	Consumer, dermal, longterm exposition	37 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	1468 mg/m ³
	Worker, inhalative, longterm exposition	734 mg/m ³
	Consumer DNEL, acute inhalation	734 mg/m ³
	Consumer, inhalative, longterm exposition	367 mg/m ³
67-64-1 Acetone		
Oral	Consumer, oral, longterm exposition	62 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	186 mg/kg bw/day
	Consumer, dermal, longterm exposition	62 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	2420 mg/m ³
	Worker, inhalative, longterm exposition	1210 mg/m ³
	Consumer, inhalative, longterm exposition	200 mg/m ³
67-63-0 propan-2-ol		
Oral	Consumer, oral, longterm exposition	26 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	888 mg/kg bw/day
	Consumer, dermal, longterm exposition	319 mg/kg bw/day
Inhalative	Worker, inhalative, longterm exposition	500 mg/m ³
	Consumer, inhalative, longterm exposition	89 mg/m ³
78-93-3 Butanone		
Oral	Consumer, oral, longterm exposition	31 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	1161 mg/kg bw/day
	Consumer, dermal, longterm exposition	412 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	900 mg/m ³
	Worker, inhalative, longterm exposition	600 mg/m ³
	Consumer DNEL, acute inhalation	450 mg/m ³
	Consumer, inhalative, longterm exposition	106 mg/m ³
123-86-4 n-butyl acetate		
Oral	Consumer, oral, longterm exposition	3.4 mg/kg bw/day
Dermal	Consumer, dermal, longterm exposition	3.4 mg/kg bw/day
Inhalative	Consumer, inhalative, longterm exposition	102.34 mg/m ³
· PNECs		
79-20-9 Methyl acetate		
Oral	Secondary Poisoning	20.4 mg/kg
	Fresh water	0.12 mg/l

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	Fresh water sediment	0.128 mg/kg dry weight
	Marine water	0.012 mg/l
	Marine sediment	0.013 mg/kg dry weight
	Soil	0.0416 mg/kg
	Sewage treatment plant	600 mg/l
64-17-5 ethanol		
	Fresh water	0.96 mg/l
	Fresh water sediment	3.6 mg/kg dry weight (rat)
	Marine water	0.79 mg/l
	Marine sediment	2.9 mg/kg dry weight (rat)
	Soil	0.63 mg/kg
	Sewage treatment plant	580 mg/l (rat)
	Sporadic release	2.75 mg/l (rat)
141-78-6 Ethyl acetate		
	Fresh water	0.24 mg/l
	Fresh water sediment	1.15 mg/kg dry weight
	Marine water	0.024 mg/l
	Marine sediment	0.115 mg/kg dry weight
	Soil	0.148 mg/kg
	Sewage treatment plant	650 mg/l
67-64-1 Acetone		
	Fresh water	10.6 mg/l
	Fresh water sediment	30.4 mg/kg dry weight
	Marine water	1.06 mg/l
	Marine sediment	3.04 mg/kg dry weight
	Soil	29.5 mg/kg
	Sewage treatment plant	100 mg/l
	Sporadic release	21 mg/l
67-63-0 propan-2-ol		
Oral	Secondary Poisoning	160 mg/kg
	Fresh water	140.9 mg/l
	Fresh water sediment	552 mg/kg dry weight
	Marine water	140.9 mg/l
	Marine sediment	552 mg/kg dry weight
	Soil	28 mg/kg
	Sewage treatment plant	2251 mg/l
	Sporadic release	140.9 mg/l
78-93-3 Butanone		
Oral	Secondary Poisoning	1000 mg/kg
	Fresh water	55.8 mg/l

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	Fresh water sediment	284.7 mg/kg dry weight
	Marine water	55.8 mg/l
	Marine sediment	284.7 mg/kg dry weight
	Soil	22.5 mg/kg
	Sewage treatment plant	709 mg/l
	Sporadic release	55.8 mg/l
123-86-4 n-butyl acetate		
	Fresh water	0.18 mg/l
	Marine water	0.018 mg/l
	Soil	0.0903 mg/kg

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Recommended thickness of the material: > 0,12 mm

Nitrile rubber, NBR

· **Penetration time of glove material**

For the mixture of chemicals mentioned below the penetration time has to be at least 10 minutes (Permeation according to EN 374 Part 3: Level 1).

· **Eye/face protection**



Tightly sealed goggles

Goggles recommended during refilling

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Undetermined
Boiling point or initial boiling point and boiling range	57 °C (79-20-9 Methyl acetate)
Flammability	Highly flammable.
Lower and upper explosion limit	
Lower:	3.1 Vol % (79-20-9 Methyl acetate)
Upper:	16 Vol % (79-20-9 Methyl acetate)
Flash point:	-13 °C
Auto-ignition temperature:	425 °C (64-17-5 ethanol)
Decomposition temperature:	Not determined
pH	Mixture is non-soluble (in water).
Viscosity:	
Kinematic viscosity	Not determined
Dynamic at 20 °C:	4000-9000 mPas
Solubility	
water:	Fully miscible.
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure at 20 °C:	220 hPa (79-20-9 Methyl acetate)
Vapour pressure at 50 °C:	800 hPa
Density and/or relative density	
Density at 20 °C:	~0.968 g/cm ³
Relative density	Not determined
Vapour density	Not determined

9.2 Other information

All relevant physical data were determined for the mixture. All non-determined data are not measurable or not relevant for the characterization of the mixture.

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Solvent content:	
Organic solvents:	65.0 %
Water:	0.3 %
VOC (EC)	64.96 %
Solids content:	34.7 %

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· Change in condition	
· Evaporation rate	Not determined
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Highly flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

79-20-9 Methyl acetate

Oral	LD50	3705 mg/kg (rabbit)
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64-17-5 ethanol

Oral	LD50	10470 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

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Inhalative	LC50/4 h	120 mg/l (rat)
141-78-6 Ethyl acetate		
Oral	LD50	4934 mg/kg (rabbit)
Dermal	LD50	>20000 mg/kg (rabbit)
Inhalative	LC50/4 h	29.3 mg/l (rat)
9004-70-0 cellulose nitrate nitrocellulose		
Oral	LD50	>5000 mg/kg (rat)
67-64-1 Acetone		
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	>15800 mg/kg (rat)
Inhalative	LC50/4 h	76 mg/l (rat)
67-63-0 propan-2-ol		
Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)
78-93-3 Butanone		
Oral	LD50	>2193 mg/kg (rat)
Dermal	LD50	>8050 mg/kg (rat)
123-86-4 n-butyl acetate		
Oral	LD50	13100 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/4 h	>21 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity**
Not applicable
Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **Acute effects (acute toxicity, irritation and corrosivity)** Not applicable
- **Sensitisation** Not applicable
- **Repeated dose toxicity** Not applicable

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· 11.2 Information on other hazards

· Endocrine disrupting properties

78-93-3 Butanone

List II

SECTION 12: Ecological information

· 12.1 Toxicity

· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable

· **vPvB:** Not applicable

· 12.6 Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

· 12.7 Other adverse effects

· Additional ecological information:

· General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

· European waste catalogue

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
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· Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· 14.1 UN number or ID number

· **ADR/ADN, IMDG, IATA**

UN1133

· 14.2 UN proper shipping name

· **ADR/ADN**

1133 ADHESIVES

· **IMDG, IATA**

ADHESIVES

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· **14.3 Transport hazard class(es)**

· **ADR/ADN**



· **Class** 3 (F1) Flammable liquids.
· **Label** 3

· **IMDG, IATA**



· **Class** 3 Flammable liquids.
· **Label** 3

· **14.4 Packing group**

· **ADR/ADN, IMDG, IATA** III

· **14.5 Environmental hazards:** Not applicable

· **14.6 Special precautions for user** Warning: Flammable liquids.

· **Hazard identification number (Kemler code):** -

· **EMS Number:** F-E, S-D

· **Stowage Category** B

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable

· **Transport/Additional information:**

· **Quantity limitations** On passenger aircraft/rail: 60 L
On cargo aircraft only: 220 L

· **ADR/ADN**

· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **Transport category**

3

· **Tunnel restriction code**

E

· **IMDG**

· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **Remarks:**

For substances with class 3 according to IMDG-Code chapter 2.3.2.2 packing group is classified in packing group III, as viscosity is in accordance

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- with requirements (flow time $t > 100s$).
- **UN "Model Regulation":** UN 1133 ADHESIVES, 3, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Directive 2012/18/EU
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50000 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

67-64-1	Acetone
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- **Regulation (EC) No 273/2004 on drug precursors**

67-64-1	Acetone	3
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78-93-3	Butanone	3
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- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

67-64-1	Acetone	3
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78-93-3	Butanone	3
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- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H201 Explosive; mass explosion hazard.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

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· Classification according to Regulation (EC) No 1272/2008

Flammable liquids	Bridging principles
Serious eye damage/irritation Specific target organ toxicity (single exposure)	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Department issuing SDS:** PSRA

· **Contact:** PSRA

· **Date of previous version:** 15.08.2024

· **Version number of previous version:** 9

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Explosives – Division 1.1

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· *** Data compared to the previous version altered.**

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