

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 21/10/2020 Version: 1.0

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

1.1. Product identifier

Product form Product name Product group

:	Mixture
:	VT-306 PVC Primer
:	Trade product

: Adhesives

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

1.2.1. Relevant identified uses

Intended for general public Main use category Use of the substance/mixture

: Professional use, Consumer use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Vital Technical Sdn. Bhd. No.93, Jalan Industri 3/3 Rawang Integrated Industrial Park, 48000 Rawang, Selangor, Malaysia. T +603 60942088 - F +603 60992930 sales@vitaltechnical.com

1.4. Emergency telephone number

No additional information available

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
Carcinogenicity, Category 2	H351
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Full text of H statements : see section 16	

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. Suspected of causing cancer. May cause drowsiness or dizziness. Causes serious eye irritation.

2.2. Label elements

Labelling according to Regulation (EC) N	lo. 1272/2008 [CLP]	
Hazard pictograms (CLP)	: 🔨	$\mathbf{\wedge}$
	GHS02	GHS07

Signal word (CLP) Contains Hazard statements (CLP) : Danger

: acetone; propan-2-one; propanone; butanone; ethyl methyl ketone; tetrahydrofuran

GHS08

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

H351 - Suspected of causing cancer.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand.		
	P102 - Keep out of reach of children.		
	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.		
	P271 - Use only outdoors or in a well-ventilated area.		
	P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing		
	protection.		
	P405 - Store locked up.		
Labelling according to: exemption for pack	kages of a capacity of 125ml or less		
Hazard pictograms (CLP)			
	GHS02 GHS07 GHS08		
Signal word (CLP)	: Danger		
Hazardous ingredients	: acetone; propan-2-one; propanone; butanone; ethyl methyl ketone; tetrahydrofuran		
Hazard statements (CLP)	: H336 - May cause drowsiness or dizziness.		
	H351 - Suspected of causing cancer.		
Precautionary statements (CLP)	 P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. 		
	P271 - Use only outdoors or in a well-ventilated area.		
	P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing		
	protection.		

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
butanone; ethyl methyl ketone	(CAS-No.) 78-93-3 (EC-No.) 201-159-0 (EC Index-No.) 606-002-00-3	≥ 50 – < 70	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
acetone; propan-2-one; propanone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49	≥ 10 – < 30	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
tetrahydrofuran	(CAS-No.) 109-99-9 (EC-No.) 203-726-8 (EC Index-No.) 603-025-00-0	≥ 1 – < 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335
cyclohexanone	(CAS-No.) 108-94-1 (EC-No.) 203-631-1 (EC Index-No.) 606-010-00-7	≥ 1 – < 10	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
tetrahydrofuran	(CAS-No.) 109-99-9 (EC-No.) 203-726-8 (EC Index-No.) 603-025-00-0	(25 ≤C ≤ 100) STOT SE 3, H335 (25 ≤C ≤ 100) Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	 IF exposed or concerned: Get medical advice/attention. Remove person to fresh air and keep comfortable for breathing. Rinse skin with water/shower. Take off immediately all contaminated clothing. 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. Call a poison center or a doctor if you feel unwell. 	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms/effects Symptoms/effects after eye contact	May cause drowsiness or dizziness.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 Unsuitable extinguishing media	Dry powder. Foam. Carbon dioxide.Water spray.	
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, protectiv	e 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 dust/fume/gas/mist/vapours/spray. 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".	
6.2. Environmental precautions		

Avoid release to the environment.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

6.3. Methods and material for containment 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 authorized 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		
Precautions for safe handling Hygiene measures	 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. 	
7.2. Conditions for safe storage, including any incompatibilities		
Technical measures Storage conditions	 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

cyclohexanone (108-94-1)		
EU - Occupational Exposure Limits		
Local name	Cyclohexanone	
IOELV TWA (mg/m³)	40.8 mg/m ³	
IOELV TWA (ppm)	10 ppm	
IOELV STEL (mg/m ³)	81.6 mg/m³	
IOELV STEL (ppm)	20 ppm	
Notes	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
USA - ACGIH - Occupational Exposure Limits		
Local name	Cyclohexanone	
ACGIH TWA (ppm)	20 ppm	
ACGIH STEL (ppm)	50 ppm	
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)	
Regulatory reference	ACGIH 2020	
USA - ACGIH - Biological Exposure Indices		
Local name	CYCLOHEXANONE	

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

cyclohexanone (108-94-1)	
Biological Exposure Indices (BEI)	8 mg/l Parameter: Cyclohexanol (with hydrolysis) - Medium: urine - Sampling time: End of shift - Notations: Ns, Sq 80 mg/l Parameter: 1,2-Cyclohexanediol (with hydrolysis) - Medium: urine - Sampling time: End of shift at end of workweek - Notations: Ns, Sq
Regulatory reference	ACGIH 2020

tetrahydrofuran (109-99-9)	
EU - Occupational Exposure Limits	
Local name	Tetrahydrofuran
IOELV TWA (mg/m³)	150 mg/m³
IOELV TWA (ppm)	50 ppm
IOELV STEL (mg/m ³)	300 mg/m³
IOELV STEL (ppm)	100 ppm
Notes	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
USA - ACGIH - Occupational Exposure Limits	
Local name	Tetrahydrofuran
ACGIH TWA (ppm)	50 ppm
ACGIH STEL (ppm)	100 ppm
Remark (ACGIH)	TLV® Basis: URT irr; CNS impair; kidney dam. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2020
USA - ACGIH - Biological Exposure Indices	•
Local name	TETRAHYDROFURAN
Biological Exposure Indices (BEI)	2 mg/l Parameter: Tetrahydrofuran - Medium: urine - Sampling time: End of shift
Regulatory reference	ACGIH 2020

butanone; ethyl methyl ketone (78-93-3)	
EU - Occupational Exposure Limits	
Local name	Butanone
IOELV TWA (mg/m ³)	600 mg/m³
IOELV TWA (ppm)	200 ppm
IOELV STEL (mg/m³)	900 mg/m³
IOELV STEL (ppm)	300 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
USA - ACGIH - Occupational Exposure Limits	
Local name	Methyl ethyl ketone (MEK)
ACGIH TWA (ppm)	200 ppm
ACGIH STEL (ppm)	300 ppm
Remark (ACGIH)	TLV® Basis: URT irr; CNS & PNS impair. Notations: BEI
Regulatory reference	ACGIH 2020

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

butanone; ethyl methyl ketone (78-93-3)	
USA - ACGIH - Biological Exposure Indices	
Local name	METHYL ETHYL KETONE
Biological Exposure Indices (BEI)	2 mg/l Parameter: Methyl ethyl ketone - Medium: urine - Sampling time: End of shift - Notations: Ns
Regulatory reference	ACGIH 2020

acetone; propan-2-one; propanone (67-64-1)	
EU - Occupational Exposure Limits	
Local name	Acetone
IOELV TWA (mg/m³)	1210 mg/m ³
IOELV TWA (ppm)	500 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
USA - ACGIH - Occupational Exposure Limits	
Local name	Acetone
ACGIH TWA (ppm)	250 ppm
ACGIH STEL (ppm)	500 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2020
USA - ACGIH - Biological Exposure Indices	
Local name	ACETONE
Biological Exposure Indices (BEI)	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift - Notations: Ns
Regulatory reference	ACGIH 2020

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Near suitable protective clothing
Respiratory protection:
n case of insufficient ventilation, wear suitable respiratory equipment

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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
Physical state	: Liquid
Colour	: Purple.
Odour	: Characteristic.
Odour threshold	: No data available
рН	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 56 °C
Flash point	: < 23 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 0.82
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: < 20 mm²/s
Viscosity, dynamic	: < 10 cP
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

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.

10.5. Incompatible materials

No additional information available

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological info	mation
11.1. Information on toxicological e	ifects
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Not classified Not classified Not classified
cyclohexanone (108-94-1)	
LD50 oral rat	≈ 2650 mg/kg
LD50 dermal rabbit	≈ 3160 mg/kg
LC50 Inhalation - Rat	> 6.2 mg/l/4h
butanone; ethyl methyl ketone (78-	93-3)
LD50 oral rat	≈ 2193 mg/kg
acetone; propan-2-one; propanone	(67-64-1)
LD50 oral rat	≈ 5800 mg/kg
LD50 dermal rabbit	> 7400 mg/kg
LC50 Inhalation - Rat	≈ 76 mg/l/4h
Skin corrosion/irritation	: Not classified pH: Not applicable
Serious eye damage/irritation	: Causes serious eye irritation. pH: Not applicable
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity Carcinogenicity	: Not classified : Suspected of causing cancer.
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
VT-306 PVC Primer	
Viscosity, kinematic	< 20 mm²/s

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 rapidly degradable	: Not classified

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

No additional information available 12.3. Bioaccumulative potential No additional information available
No additional information available
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.

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number	1		1	
UN 1133	UN 1133	UN 1133	UN 1133	UN 1133
14.2. UN proper shippin	ig name			
ADHESIVES (containing flammable liquid)	ADHESIVES (containing flammable liquid)	Adhesives (containing flammable liquid)	ADHESIVES (containing flammable liquid)	ADHESIVES (containing flammable liquid)
Transport document desc	ription			
UN 1133 ADHESIVES (containing flammable liquid), 3, II, (D/E)	UN 1133 ADHESIVES (containing flammable liquid), 3, II	UN 1133 Adhesives (containing flammable liquid), 3, II	UN 1133 ADHESIVES (containing flammable liquid), 3, II	UN 1133 ADHESIVES (containing flammable liquid), 3, II
14.3. Transport hazard	class(es)		<u> </u>	
3	3	3	3	3
14.4. Packing group				
II	II	II	II	II
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

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.6. Special precautions for user

Overland	transport
Overland	autoport

Overland transport	
Classification code (ADR)	: F1
Special provisions (ADR)	: 640D
Limited quantities (ADR)	: 51
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions	: TP1, TP8
(ADR)	
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	
	<u>33</u> 1133
Tunnel restriction code (ADR)	: D/E
EAC code	: •3YE
Transport by sea	
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP8
EmS-No. (Fire)	: F-E
EmS-No (Spillage)	· S-D
EmS-No. (Spillage) Stowage category (IMDG)	: S-D - B
Stowage category (IMDG)	: B
	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility
Stowage category (IMDG) Properties and observations (IMDG)	: B
Stowage category (IMDG) Properties and observations (IMDG) Air transport	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.
Stowage category (IMDG) Properties and observations (IMDG) Air transport PCA Excepted quantities (IATA)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2
Stowage category (IMDG) Properties and observations (IMDG) Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341
Stowage category (IMDG) Properties and observations (IMDG) Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L
Stowage category (IMDG) Properties and observations (IMDG) Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353
Stowage category (IMDG) Properties and observations (IMDG) 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)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L
Stowage category (IMDG) Properties and observations (IMDG) 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)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364
Stowage category (IMDG) Properties and observations (IMDG) 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)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L
Stowage category (IMDG) Properties and observations (IMDG) Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3
Stowage category (IMDG) Properties and observations (IMDG) 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) Special provisions (IATA) ERG code (IATA)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L
Stowage category (IMDG) Properties and observations (IMDG) 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) Special provisions (IATA) ERG code (IATA) Inland waterway transport	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L
Stowage category (IMDG) Properties and observations (IMDG) 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) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1
Stowage category (IMDG) Properties and observations (IMDG) 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) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D
Stowage category (IMDG) Properties and observations (IMDG) 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) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D 5 L
Stowage category (IMDG) Properties and observations (IMDG) 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) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D 5 L E2
Stowage category (IMDG) Properties and observations (IMDG) 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) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D 5 L 5L E2 PP, EX, A
Stowage category (IMDG) Properties and observations (IMDG) 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) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D 5 L 640D 5 L E2 PP, EX, A VE01
Stowage category (IMDG) Properties and observations (IMDG) 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) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D 5 L 5L E2 PP, EX, A
Stowage category (IMDG) Properties and observations (IMDG) 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) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D 5 L 640D 5 L E2 PP, EX, A VE01
Stowage category (IMDG) Properties and observations (IMDG) Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (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) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D 5 L 640D 5 L E2 PP, EX, A VE01
Stowage category (IMDG) Properties and observations (IMDG) Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (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) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN) Rail transport	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D 5 L 640D 5 L E2 PP, EX, A VE01 1
Stowage category (IMDG) Properties and observations (IMDG) 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) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D 5 L E2 PP, EX, A VE01 1 F1
Stowage category (IMDG) Properties and observations (IMDG) 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) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Special provisions (RID)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D 5 L E2 PP, EX, A VE01 1 F1 640D
Stowage category (IMDG) Properties and observations (IMDG) 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) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Special provisions (RID) Limited quantities (RID)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L A3 3L F1 640D 5 L E2 PP, EX, A VE01 1 F1 640D 5L
Stowage category (IMDG) Properties and observations (IMDG) 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) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN) Rail transport Classification code (RID) Special provisions (RID) Limited quantities (RID) Excepted quantities (RID)	 B Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. E2 Y341 1L 353 5L 364 60L 343 3L F1 640D 5L E2 PP, EX, A VE01 1 F1 640D 5L E2 PI, EX, A VE01 1

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Mixed packing provisions (RID) Portable tank and bulk container instructions (RID) Portable tank and bulk container special provisions (RID)	: MP19 : T4 : TP1, TP8
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 2
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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

Germany	
Employment restrictions	 Observe restrictions according Act on the Protection of Working Mothers (MuSchG) Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)
Water hazard class (WGK)	: WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	
ABM category	: A(4) - low hazard for aquatic organisms, may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed
Denmark	
Class for fire hazard	: Class II-1
Store unit	: 5 liter
Classification remarks	 R10 <h225;h319;h336;h351>; Emergency management guidelines for the storage of flammable liquids must be followed</h225;h319;h336;h351>
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product
	The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 16: Other information

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
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
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
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.

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.