



Zinc Primer

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 20/10/2014 Revision date: 15/06/2022 Supersedes version of: 03/07/2019 Version: 1.7

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

1.1. Product identifier

Product form : Mixture
Product name : Zinc Primer
UFI : DFPE-16F0-W00V-N9VU
Product code : 721
Article number : 72104

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Professional use.
Function or use category : Paint.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

BARDAHL NL - OCD NEDERLAND BV
Maxwellstraat 41
3316 GP Dordrecht
Nederland
T 0031 78 651 2322 - F 0031 78 617 4848
mjkooijman@bardahl.nl - www.bardahl.nl

1.4. Emergency telephone number

Emergency number : +31 (0) 6 54924171
During office hours: 8.30 t/m 17:00 h

Country	Official advisory body	Address	Emergency number	Comment
	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	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]

Aerosol, Category 1 H222;H229
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Specific target organ toxicity – Single exposure, Category 3, H336
Narcosis
Specific target organ toxicity – Repeated exposure, Category 2 H373
Hazardous to the aquatic environment – Chronic Hazard, H411
Category 2
Full text of H- and EUH-statements: see section 16

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Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: ACETONE; xylene; 1-methoxy-2-propanol; monopropylene glycol methyl ether

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H373 - May cause damage to organs through prolonged or repeated exposure.
H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP) : P102 - Keep out of reach of children.
P501 - Dispose of contents and container to in accordance with local regulations..
P211 - Do not spray on an open flame or other ignition source.
P251 - Pressurized container: Do not pierce or burn, even after use.
P261 - Avoid breathing spray.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314 - Get medical advice/attention if you feel unwell.

EUH-statements

: EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

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

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ACETONE	CAS-No.: 67-64-1 EC-No.: 200-662-2 REACH-no: 01-2119471330-49	10 – 30	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
xylene (Note C)	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216-32	10 – 30	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
zinc powder— zinc dust (stabilised)	CAS-No.: 7440-66-6 EC-No.: 231-175-3 EC Index-No.: 030-001-01-9	10 – 30	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ethylbenzene	CAS-No.: 100-41-4 EC-No.: 202-849-4 EC Index-No.: 601-023-00-4 REACH-no: 01-2119489370-35	1 – 5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
1-methoxy-2-propanol; monopropylene glycol methyl ether	CAS-No.: 107-98-2 EC-No.: 203-539-1 REACH-no: 01-2119457435-35	1 – 5	Flam. Liq. 3, H226 STOT SE 3, H336
Quartz	CAS-No.: 14808-60-7	< 1	STOT RE 2, H373

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In any case of doubt or if symptoms can be observed, get medical attention. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Keep the victim warm. Allow the victim to rest. Immediately call a POISON CENTER/doctor. Loosen tight clothing such as a collar, tie, belt or waistband. When unconsciousness transport in a recovery position.
First-aid measures after skin contact	: Wash skin thoroughly with mild soap and water.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Do NOT induce vomiting unless directed to do so by medical personnel. If swallowed, rinse mouth with water (only if the person is conscious). Seek medical attention if ill effect develops.

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

Symptoms/effects	: Symptoms may be delayed. Keep victim under observation.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: May cause irritation to the eyes.
Symptoms/effects after ingestion	: Ingestion unlikely.

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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	: Alcohol resistant foam. Carbon dioxide. Dry powder. Water haze.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Explosion hazard	: Heating may cause an explosion. Bursting aerosol containers may be propelled from a fire at high speed. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Vapours may form explosive mixture with air.
Hazardous decomposition products in case of fire	: Toxic gases. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Evacuate area.
Protection during firefighting	: Use self-contained breathing apparatus. Wear recommended personal protective equipment.
Other information	: Prevent fire fighting water from entering the environment. Notify authorities if product enters sewers or public waters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Evacuate area. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Ventilate area. No open flames. No smoking. No flames, no sparks. Eliminate all sources of ignition. Use special care to avoid static electric charges.
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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Small amounts: No significant hazards.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Clean contaminated surface thoroughly. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take up liquid spill into absorbent material. Contain and dispose of waste according to local regulations.
Other information	: Ventilate area.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". More detailed information: See section 11. Ecological information (Section 12). For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Good ventilation of the workplace required.
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Precautions for safe handling	: Avoid contact with skin and eyes. Wear suitable protective clothing. This product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not expose to temperatures exceeding 50 °C/ 122 °F. Do not breathe gas, fumes, vapour or spray.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a dry, cool and well-ventilated place.
Incompatible materials	: heat. sparks. Open flame. Direct sunlight.
Storage area	: Chemical storage.
Special rules on packaging	: Opened containers must be carefully closed and kept upright to avoid leakage.

7.3. Specific end use(s)

See Section 1.2 and / or exposure scenarios.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

xylene (1330-20-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	221 mg/m ³ (Xylene, mixed isomers, pure; EU; Timeweighted average exposure limit 8 h; Indicative occupational exposure limit value)
IOEL TWA [ppm]	50 ppm (Xylene, mixed isomers, pure; EU; Timeweighted average exposure limit 8 h; Indicative occupational exposure limit value)
IOEL STEL	442 mg/m ³ (Xylene, mixed isomers, pure; EU; Short time value; Indicative occupational exposure limit value)
IOEL STEL [ppm]	100 ppm (Xylene, mixed isomers, pure; EU; Short time value; Indicative occupational exposure limit value)
ethylbenzene (100-41-4)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	442 mg/m ³ (Ethylbenzene; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
IOEL TWA [ppm]	100 ppm (Ethylbenzene; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
IOEL STEL	884 mg/m ³ (Ethylbenzene; EU; Short time value; Indicative occupational exposure limit value)
IOEL STEL [ppm]	200 ppm (Ethylbenzene; EU; Short time value; Indicative occupational exposure limit value)

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ethylbenzene (100-41-4)

United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA) [1]	441 mg/m ³ Ethylbenzene; United Kingdom; Timeweighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
WEL TWA (OEL TWA) [2]	100 ppm Ethylbenzene; United Kingdom; Timeweighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
WEL STEL (OEL STEL)	552 mg/m ³ Ethylbenzene; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)
WEL STEL (OEL STEL) [ppm]	125 ppm Ethylbenzene; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	1-Methoxypropanol-2
IOEL TWA	375 mg/m ³
IOEL TWA [ppm]	100 ppm
IOEL STEL	568 mg/m ³
IOEL STEL [ppm]	150 ppm
Remark	Skin

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Protective goggles.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection

Type	Field of application	Characteristics	Standard
tightly fitting safety goggles			EN 166

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8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Refer to manufacturer's information.

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Safety gloves					EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection			
Device	Filter type	Condition	Standard
Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges suitable for intended use should be used. Full face mask respirators with replaceable filter cartridges suitable for intended use should be used. Half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use should be used.			EN 14387

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

No smoking. Good ventilation of the workplace required. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke during use. Remove contaminated clothing immediately.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Silver. Grey.
Appearance	: Aerosol.
Odour	: organic solvent.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: -40 – -2 °C LPG
Flammability	: Not available
Lower explosion limit	: 1.4 vol % (V)(LPG)
Upper explosion limit	: 10.9 vol % (V)(LPG)
Flash point	: -104 °C LPG
Auto-ignition temperature	: 365 °C LPG
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 590 – 1760 kPa LPG
Vapour pressure at 50°C	: Not available

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Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosion limits	: 0.8 – 13 vol %
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9.2.2. Other safety characteristics

Volatility	: volatile - volatile organic compound: 2004/42/II B(e)840/839
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Oxidising agents.

10.4. Conditions to avoid

Heat. Open flame. Sources of ignition. Freezing. Direct sunlight. High temperature.

10.5. Incompatible materials

None under normal conditions.

10.6. Hazardous decomposition products

No hazardous decomposition products known. Thermal decomposition generates : hazardous gases. Vapours.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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ATE CLP (dermal)	8221.84 mg/kg
ATE CLP (vapours)	69.89 mg/l

xylene (1330-20-7)

LD50 oral rat	4300 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 Inhalation - Rat	6350 mg/l/4h

ethylbenzene (100-41-4)

LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15415 mg/kg
LC50 Inhalation - Rat	17.8 mg/l/4h

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ethylbenzene (100-41-4)	
LC50 Inhalation - Rat [ppm]	4000 ppm/4h
1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
LD50 oral rat	5660 mg/kg
LD50 dermal rabbit	13000 mg/kg
LC50 Inhalation - Rat	6 mg/l/4h
Skin corrosion/irritation	: Prolonged or repeated contact may cause skin to become dry or cracked.
Serious eye damage/irritation	: Causes serious eye irritation.
Additional information	: May cause serious damage to eyes
Respiratory or skin sensitisation	: Inhalation of vapours may cause respiratory irritation. Nausea. Headache. Dizziness. Intoxication
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
ACETONE (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.
1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
ethylbenzene (100-41-4)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Quartz (14808-60-7)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
11.2. Information on other hazards	
No additional information available	
SECTION 12: Ecological information	
12.1. Toxicity	
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.
xylene (1330-20-7)	
LC50 - Other aquatic organisms [1]	8.9 – 16.4 mg/l (Pimephales promelas 96h)
EC50 - Crustacea [1]	3.2 – 9.5 mg/l (Daphnia magna) (48h)
ethylbenzene (100-41-4)	
LC50 - Fish [2]	4.2 mg/l
12.2. Persistence and degradability	
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Persistence and degradability	Not readily biodegradable.

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xylene (1330-20-7)

Persistence and degradability	Readily biodegradable.
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ethylbenzene (100-41-4)

Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	1.44 g O ₂ /g substance
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance
ThOD	3.17 g O ₂ /g substance
BOD (% of ThOD)	45.4 % ThOD

12.3. Bioaccumulative potential

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Bioaccumulative potential	Bioaccumulation unlikely.
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xylene (1330-20-7)

BCF - Fish [2]	7 – 26
Bioconcentration factor (BCF REACH)	< 500
Partition coefficient n-octanol/water (Log Pow)	3.2

ethylbenzene (100-41-4)

BCF - Fish [1]	1
BCF - Fish [2]	15 – 79
BCF - Other aquatic organisms [1]	4.68
Bioconcentration factor (BCF REACH)	< 500
Partition coefficient n-octanol/water (Log Pow)	3.15

12.4. Mobility in soil

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Ecology - soil	The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.
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xylene (1330-20-7)

Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
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ethylbenzene (100-41-4)

Surface tension	0.029 N/m
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Other adverse effects : The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not empty into drains.
Additional information	: Do not pierce or burn, even after use.
European List of Waste (LoW) code	: 16 05 04* - gases in pressure containers (including halons) containing dangerous substances

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP02
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 959
Limited quantities (IMDG)	: SP277

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Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP02
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None

Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167
ERG code (IATA)	: 10L

Inland waterway transport

Classification code (ADN)	: 5F
Special provisions (ADN)	: 19, 327, 344, 625
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01, VE04
Number of blue cones/lights (ADN)	: 1

Rail transport

Classification code (RID)	: 5F
Special provisions (RID)	: 190, 327, 344, 625
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P207, LP02
Special packing provisions (RID)	: PP87, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W14
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW12
Colis express (express parcels) (RID)	: CE2
Hazard identification number (RID)	: 23

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

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POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

ANNEX II REPORTABLE EXPLOSIVES PRECURSORS

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

Name	CAS-No.	Combined Nomenclature code (CN)	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Acetone	67-64-1	2914 11 00	ex 3824 99 92

Please see https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf

Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Name	CN designation	CAS-No.	CN code	Category	Threshold	Annex
Acetone		67-64-1	2914 11 00	Category 3		Annex I

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Respiratory or skin sensitisation - comment	Added	
	Skin corrosion/irritation - comment	Added	
	Volatility	Added	
2.2	EUH-statements	Added	
2.2	Precautionary statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
4.1	First-aid measures general	Modified	
4.1	First-aid measures after skin contact	Modified	
4.1	First-aid measures after inhalation	Modified	
4.1	First-aid measures after ingestion	Modified	
4.1	First-aid measures after eye contact	Modified	
4.2	Symptoms/effects after skin contact	Added	
4.2	Symptoms/effects after inhalation	Added	
4.2	Symptoms/effects after ingestion	Added	
4.2	Symptoms/effects after eye contact	Added	

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Indication of changes			
Section	Changed item	Change	Comments
4.2	Symptoms/effects	Modified	
4.3	Other medical advice or treatment	Added	
5.1	Unsuitable extinguishing media	Added	
5.1	Suitable extinguishing media	Modified	
5.2	Hazardous decomposition products in case of fire	Added	
5.2	Explosion hazard	Modified	
5.3	Protection during firefighting	Added	
5.3	Other information	Added	
5.3	Firefighting instructions	Modified	
6.1	General measures	Added	
6.2	Environmental precautions	Added	
6.3	Methods for cleaning up	Added	
6.3	Other information	Modified	
6.4	Reference to other sections (8, 13)	Added	
7.1	Hygiene measures	Added	
7.1	Additional hazards when processed	Modified	
7.1	Precautions for safe handling	Modified	
7.2	Storage area	Added	
7.2	Special rules on packaging	Added	
7.2	Storage conditions	Modified	
8.2	Hand protection	Modified	
9.1	Vapour pressure	Added	
9.1	Auto-ignition temperature	Added	
9.1	Upper explosive limit (UEL)	Added	
9.1	Lower explosive limit (LEL)	Added	
9.1	Flash point	Added	
9.1	Boiling point	Added	
9.1	Odour	Modified	
9.1	Colour	Modified	
10.3	Possibility of hazardous reactions	Added	
10.4	Conditions to avoid	Modified	
10.5	Incompatible materials	Modified	
10.6	Hazardous decomposition products	Modified	
11.1	Additional information	Added	
11.1	ATE CLP (vapours)	Added	
11.1	ATE CLP (dermal)	Added	
12.2	Persistence and degradability	Added	

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Indication of changes

Section	Changed item	Change	Comments
12.3	Bioaccumulative potential	Modified	
12.4	Ecology - soil	Modified	
12.7	Other adverse effects	Modified	
13.1	European List of Waste (LoW) code	Added	
13.1	Waste disposal recommendations	Modified	
15.2	Chemical safety assessment	Added	

Abbreviations and acronyms:

	Abbreviations and acronyms: RID: Regulations Concerning the International Transport of Dangerous Goods by Rail ICAO: International Civil Aviation Organization ADR: 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 Harmonized 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) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent
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Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
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
Flam. Liq. 3	Flammable liquids, Category 3
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

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Full text of H- and EUH-statements:

H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

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.