

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 6/1/2021 Revision date: 12/15/2016 Version: 5.0

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

1.1. Product identifier

Product form : Mixture
Trade name : PROTECTION PRIMER - RED/BROWN (500 ML)
UFI : 4UQF-R049-H008-F95F
Product code : 5321
Vaporizer : Aerosol

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Spray paint
Function or use category : Coatings and paints, thinners, paint removers

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Pro Part International
Molenakker , 3
5953 TW Reuver – Limburg
Nederland
T +31 (0) 77 476 2204
info@propart-international.com - www.propart-international.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	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
Serious eye damage/eye irritation, Category 2 H319
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

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

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. May cause drowsiness or dizziness. Causes serious eye irritation.
Harmful to aquatic life with long lasting effects.

PROTECTION PRIMER - RED/BROWN (500 ML)

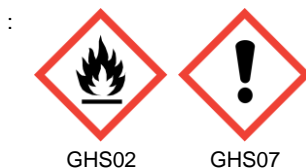
Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

EUH-statements

Extra phrases

- : Danger
- : N-BUTYL ACETATE, ACETONE, 2-METHOXY-1-METHYLETHYL ACETATE, BUTAN-1-OL; N-BUTANOL
- : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.
- : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P261 - Avoid breathing spray.
P501 - Dispose of Contents and container, to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
- : EUH066 - Repeated exposure may cause skin dryness or cracking.
- : Without adequate ventilation formation of explosive mixtures may be possible.

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

SECTION 3: Composition/information on ingredients

3.1. Substances

No data available

3.2. Mixtures

Comments : Mixture of substances listed one after the other with non-hazardous additions

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ACETONE substance with a Community workplace exposure limit	CAS-No.: 67-64-1 EC-No.: 200-662-2 EC Index-No.: 606-001-00-8 REACH-no: 01-2119471330-49	25 – 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
N-BUTYL ACETATE substance with a Community workplace exposure limit	CAS-No.: 123-86-4 EC-No.: 204-658-1 EC Index-No.: 607-025-00-1 REACH-no: 01-2119485493-29	12.5 – 20	Flam. Liq. 3, H226 STOT SE 3, H336

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
DIMETHYL ETHER substance with a Community workplace exposure limit	CAS-No.: 115-10-6 EC-No.: 204-065-8 EC Index-No.: 603-019-00-8 REACH-no: 01-2119472128-37	12.5 – 20	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
PROPANE	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 REACH-no: 01-2119486944-21	5 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
BUTANE (CONTAINING < 0,1% BUTADIENE (203-450-8))	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0 REACH-no: 01-2119474691-32	5 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
ISOBUTANE (CONTAINS < 0,1% BUTANE 203-450-8)	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0 REACH-no: 01-2119485395-27	5 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
2-METHOXY-1-METHYLETHYL ACETATE substance with a Community workplace exposure limit	CAS-No.: 108-65-6 EC-No.: 203-603-9 EC Index-No.: 607-195-00-7 REACH-no: 01-2119475791-29	5 – 10	Flam. Liq. 3, H226 STOT SE 3, H336
NITROCELLULOSE (Contains max 12,6% nitrogen)	CAS-No.: 9004-70-0	< 2.5	Flam. Sol. 1, H228
2-PROPANOL	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	< 2.5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
BUTAN-1-OL; N-BUTANOL	CAS-No.: 71-36-3 EC-No.: 200-751-6 EC Index-No.: 603-004-00-6 REACH-no: 01-2119484630-38	< 2.5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336
TRIZINC BIS(ORTHOPHOSPHATE)	CAS-No.: 7779-90-0 EC-No.: 231-944-3 EC Index-No.: 030-011-00-6 REACH-no: 01-2119485044-40	< 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

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

: If medical advice is needed, have product container or label at hand. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Call a doctor.

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

First-aid measures after skin contact	: In general, the product is not irritating to the skin.
First-aid measures after eye contact	: Rinse opened eye for several minutes under running water. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Drink plenty of water. Move to fresh air. Get immediate medical advice/attention.

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

Symptoms/effects	: No available data.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Eye irritation.

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

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Coordinate fire-fighting equipment to the environment.
------------------------------	--

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Pressurised container: May burst if heated.
Reactivity in case of fire	: Toxic gases are formed when heated or burned.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting	: Wear suitable protective clothing. Approved respirator. 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, protective equipment and emergency procedures

General measures	: Wear suitable respiratory protection. Use protective clothing. Keep unprotected people away. Keep away from ignition sources. Provide adequate ventilation.
------------------	---

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. Notify the competent authority if it enters wastewater or sewers. Do not allow to enter sewers, surface or groundwater.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: For disposal of contaminated materials refer to section 13 : "Disposal considerations". Ensure adequate air ventilation. Mechanically recover the product.
Other information	: Ensure adequate air ventilation. Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Information regarding safe use, see chapter 7. Wear personal protective clothing (see chapter 8). For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Have respirators ready.
Precautions for safe handling	: Ensure good extraction / ventilation of the workplace. If medical advice is needed, have product container or label at hand. 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. Use only outdoors or in a well-ventilated area. Avoid breathing gas, mist, spray. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: The government provisions with regard to the storage of compressed gas packings must be observed. Keep tanks tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Information on mixed storage	: Not necessary under the recommended storage and handling conditions.
Storage area	: Category 2B.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

PROTECTION PRIMER - RED/BROWN (500 ML)	
EU - Indicative Occupational Exposure Limit (IOEL)	
	The basis of the information is the data that were valid when compiled.
N-BUTYL ACETATE (123-86-4)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	n-Butyl acetate
IOEL TWA	241 mg/m ³
IOEL STEL	723 mg/m ³
IOEL STEL [ppm]	150 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831
ISOBUTANE (CONTAINS < 0,1% BUTANE 203-450-8) (75-28-5)	
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA) [1]	2400 mg/m ³ STEL 9600 mg/m ³
AGW (OEL TWA) [2]	1000 ppm STEL 4000 ppm
ACETONE (67-64-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Acetone
IOEL TWA	1210 mg/m ³ WGW Long term

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ACETONE (67-64-1)	
IOEL TWA [ppm]	500 ppm
IOEL STEL	2420 mg/m ³
IOEL STEL [ppm]	1000 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Belgium - Occupational Exposure Limits	
Local name	Acétone # Aceton
OEL TWA	1210 mg/m ³
OEL TWA [ppm]	500 ppm
OEL STEL	2420 mg/m ³
OEL STEL [ppm]	1000 ppm
Regulatory reference	Koninklijk besluit / Arrêté royal 11/03/2002
Netherlands - Occupational Exposure Limits	
Local name	Aceton
TGG-8u (OEL TWA)	1210 mg/m ³
TGG-15min (OEL STEL)	2420 mg/m ³
Regulatory reference	Arbeidsomstandighedenregeling 2021
DIMETHYL ETHER (115-10-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Dimethylether
IOEL TWA	950 mg/m ³
IOEL TWA [ppm]	495 ppm
IOEL STEL	1500 mg/m ³
IOEL STEL [ppm]	782 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Netherlands - Occupational Exposure Limits	
Local name	Dimethylether
TGG-8u (OEL TWA)	950 mg/m ³
TGG-15min (OEL STEL)	1500 mg/m ³
Regulatory reference	Arbeidsomstandighedenregeling 2021
2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-Methoxy-1-methylethylacetate
IOEL TWA	550 mg/m ³ BGW / WGW long term
IOEL STEL	550 mg/m ³
IOEL STEL [ppm]	100 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)	
Netherlands - Occupational Exposure Limits	
Local name	1-Methoxy-2-propylacetaat
TGG-8u (OEL TWA)	550 mg/m ³
Regulatory reference	Arbeidsomstandighedenregeling 2021
2-PROPANOL (67-63-0)	
Belgium - Occupational Exposure Limits	
Local name	Alcool isopropylique # Isopropylalcohol
OEL TWA	500 mg/m ³
OEL TWA [ppm]	200 ppm
OEL STEL	1000 mg/m ³
OEL STEL [ppm]	400 ppm
Regulatory reference	Koninklijk besluit Arrêté royal 11/03/2002
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	650 mg/m ³

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

Additional information : The basis of the information is the data that were valid when compiled.

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

No additional data, see chapter 7. Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Keep away from food, drink and animal feedingstuffs. Remove/Take off immediately all contaminated clothing. Wash hands before breaks and after work. Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothing.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

In case of dust production: protective goggles (EN 166)

8.2.2.2. Skin protection

Skin and body protection:

Wash clothing before re-using

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent). Protective gloves against chemicals (EN 374). Butyl rubber. Layer thickness : $\geq 0,4$ mm. Since the product consists of several substances, the durability of the glove material cannot be estimated and needs to be tested before use. Time of penetration is to be checked with the glove producer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. For continuous contact, we recommend gloves with a breakthrough time of at least 240 minutes, with a breakthrough time of more than 480 minutes being preferred. We recommend the same for short-term work or splash protection. We are aware that suitable gloves that provide this level of protection may not be available. In that case, a shorter breakthrough time may be acceptable, as long as the procedures for appropriate maintenance and timely replacement are followed. The thickness of the glove is not a good measure of the glove's resistance to a chemical, as it depends on the exact composition of the material the gloves are made of.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Filter A2/P3

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Remove/Take off immediately all contaminated clothing. Wash hands before breaks and after work. Do not breathe gas/vapour/aerosol.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Colour	: Red.
Appearance	: Aerosol.
Odour	: Solvent.
Odour threshold	: Not determined.
Melting point	: Not determined.
Freezing point	: Not determined.
Boiling point	: Not usable due to aerosol
Flammability	: Not applicable Extremely flammable aerosol.
Explosive properties	: Not determined. Pressurised container: May burst if heated.
Explosive limits	: 1.2 – 26.2 vol %
Lower explosion limit	: 1.2 vol %
Upper explosion limit	: 26.2 vol %
Flash point	: Not usable due to aerosol
Auto-ignition temperature	: 240 °C
Decomposition temperature	: Not determined.
pH	: Insoluble in water
Viscosity, kinematic	: Not determined.
Viscosity, dynamic	: Not determined.
Solubility	: Water: 0.3 % Not miscible/Practically not miscible Organic solvent: 88,0 %
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: Not determined.
Vapour pressure	: 4000 hPa @ 20°C
Vapour pressure at 50 °C	: Not available
Density	: 0.8 g/cm ³ @ 20 °C
Relative density	: Not determined.
Relative vapour density at 20 °C	: Not available
Particle characteristics	: No data available

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosion limits : 1.2 – 26.2 vol %
% of flammable ingredients :

9.2.2. Other safety characteristics

VOC content : 678.4 g/l VOC-EU: 88,04%

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available. Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability

No degradation when used as directed.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

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

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

N-BUTYL ACETATE (123-86-4)

LD50 oral rat	10800 mg/kg
LD50 dermal rabbit	> 17600 mg/kg
LC50 Inhalation - Rat	> 21 mg/m ³ 4h

ACETONE (67-64-1)

LD50 oral rat	5800 mg/kg
LD50 dermal rabbit	> 15800 mg/kg
LC50 Inhalation - Rat	76 mg/l/4h

2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)

LD50 oral rat	8530 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 10 mg/l/4h

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

BUTAN-1-OL; N-BUTANOL (71-36-3)	
LD50 oral	2292 mg/kg rat
LD50 dermal	3430 mg/kg rabbit
LC50 Inhalation - Rat	17 mg/l/4h
2-PROPANOL (67-63-0)	
LD50 oral rat	4750 – 5840 mg/kg
LD50 dermal rabbit	> 2000 mg/kg (<= 13900 mg/kg)
LC50 Inhalation - Rat	> 25 mg/l 6h
LC50 Inhalation - Rat (Vapours)	30 mg/l/4h
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Insoluble in water
Serious eye damage/irritation	: Causes serious eye irritation. (Based on available data, the classification criteria are not met) pH: Insoluble in water
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
ACETONE (67-64-1)	
LOAEL (animal/female, F0/P)	11298 mg/kg bodyweight Animal: mouse, Animal sex: female
NOAEL (animal/male, F0/P)	900 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)
STOT-single exposure	: May cause drowsiness or dizziness.
ACETONE (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.
2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)	
STOT-single exposure	May cause drowsiness or dizziness.
BUTAN-1-OL; N-BUTANOL (71-36-3)	
STOT-single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
2-PROPANOL (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
PROTECTION PRIMER - RED/BROWN (500 ML)	
Vaporizer	Aerosol
Viscosity, kinematic	Not determined.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : Based on available data, the classification criteria are not met

11.2.2. Other information

No additional information available

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.
Additional information	: The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

ACETONE (67-64-1)	
LC50 - Other aquatic organisms [1]	8450 mg/l 48h
EC50 96h - Algae [1]	7200 mg/l
DIMETHYL ETHER (115-10-6)	
LC50 - Other aquatic organisms [1]	> 4000 mg/l Daphnia magna (Water flea) 48h
LC50 - Other aquatic organisms [2]	> 4000 mg/l Fish (96h)
EC50 96h - Algae [2]	155 mg/l algae
2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)	
LC50 - Fish [1]	100 – 180 mg/l
EC50 - Crustacea [1]	> 500 mg/l
BUTAN-1-OL; N-BUTANOL (71-36-3)	
LC50 - Fish [1]	1376 mg/l
2-PROPANOL (67-63-0)	
LC50 - Fish [1]	4200 – 9640 mg/l (96h, Pimephales promelas, OECD 203)
EC50 - Crustacea [2]	9714 mg/l (24h)

12.2. Persistence and degradability

PROTECTION PRIMER - RED/BROWN (500 ML)	
Persistence and degradability	No additional information available.
ACETONE (67-64-1)	
Chemical oxygen demand (COD)	2.21 g O ₂ /g substance
Biodegradation	91 % 28 days
2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)	
Biodegradation	> 90 %

12.3. Bioaccumulative potential

PROTECTION PRIMER - RED/BROWN (500 ML)	
Partition coefficient n-octanol/water (Log Pow)	Not determined.
Bioaccumulative potential	No additional information available.
ACETONE (67-64-1)	
Bioconcentration factor (BCF REACH)	3
Partition coefficient n-octanol/water (Log Pow)	-0.24

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

DIMETHYL ETHER (115-10-6)	
Bioconcentration factor (BCF REACH)	-
Partition coefficient n-octanol/water (Log Pow)	-0.18
2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)	
Partition coefficient n-octanol/water (Log Pow)	0.56
2-PROPANOL (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0.05
Partition coefficient n-octanol/water (Log Kow)	0.05

12.4. Mobility in soil

PROTECTION PRIMER - RED/BROWN (500 ML)	
Mobility in soil	No supplementary information available
Water hazard (NL)	A(3) Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Water hazard class 1 (D, self-classification)	small water hazard
Additional information	Ecotoxicological information. Harmful to fishes. Do not discharge undiluted or in large quantities into groundwater, surface water or sewage. hazardous for aquatic organisms
DIMETHYL ETHER (115-10-6)	
Surface tension	1.136 N/m E-2 (25°C)

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 : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Do not dispose of with domestic waste.
Product/Packaging disposal recommendations	: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Handle uncleaned empty containers as full ones.
European List of Waste (LoW) code	: 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances 15 01 04 - metallic packaging

SECTION 14: Transport information




In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number or ID number		
UN 1950	UN 1950	UN 1950

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA
14.2. UN proper shipping name		
AEROSOLS	AEROSOLS	Aerosols, flammable
Transport document description		
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1
14.3. Transport hazard class(es)		
2.1	2.1	2.1
		
14.4. Packing group		
No data available	No data available	No data available
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
Not applicable.		

14.6. Special precautions for user

Special transport precautions : Warning , Gases (except aerosol dispensers and lighters)

Overland transport

Classification code (ADR) : 5F
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0
Transport category (ADR) : 2
Tunnel restriction code (ADR) : D

Transport by sea

Limited quantities (IMDG) : 1 L
Excepted quantities (IMDG) : E0
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U
Stowage and handling (IMDG) : SW1, SW22
Segregation (IMDG) : SG69

Air transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

No data available

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
28.	ISOBUTANE (CONTAINS < 0,1% BUTANE 203-450-8)	Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.
29.	ISOBUTANE (CONTAINS < 0,1% BUTANE 203-450-8)	Substances which are classified as germ cell mutagen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 3 or Appendix 4, respectively.
3(a)	N-BUTYL ACETATE ; ACETONE ; 2- PROPANOL ; 2- METHOXY-1- METHYLETHYL ACETATE ; BUTAN-1-OL; N-BUTANOL	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	N-BUTYL ACETATE ; ACETONE ; 2- PROPANOL ; 2- METHOXY-1- METHYLETHYL ACETATE ; BUTAN-1-OL; N-BUTANOL	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
40.	N-BUTYL ACETATE ; PROPANE ; BUTANE (CONTAINING < 0,1% BUTADIENE (203-450-8)) ; ISOBUTANE (CONTAINS < 0,1% BUTANE 203-450-8) ; DIMETHYL ETHER ; ACETONE ; NITROCELLULOSE (Contains max 12,6% nitrogen) ; 2-PROPANOL ; 2-METHOXY-1- METHYLETHYL ACETATE ; BUTAN-1-OL; N-BUTANOL	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

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

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 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.

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

VOC content : 678.4 g/l VOC-EU: 88,04%

Directive 2012/18/EU (SEVESO III)

Seveso Additional information : P3a Flammable aerosol

Contains substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 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	Categorie 3		Bijlage I

15.1.2. National regulations

Qualifying quantity (tonnes) for application of requirements for high-threshold devices: 500 t

Qualifying quantity (tonnes) for applications of requirements for low-threshold devices: 150 t

Water Hazard Class: 2 (D) Hazardous to water in general

France	
Occupational diseases	
Code	Description: Cleaning agent
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamide; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

Germany

Water hazard class (WGK) 2

: 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)

Storage class (LGK, TRGS 510)

: LGK 2B - Aerosol dispensers and lighters

Netherlands

ABM category

: Z(2) - biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/reprotoxicity/bioaccumulative potential or toxicity)

SZW-lijst van kankerverwekkende stoffen

: None of the components are listed

SZW-lijst van mutagene stoffen

: None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding

: Lithiumchloride (7447-41-8)

SZW-lijst van reprotoxische stoffen –

: Lithiumchloride (7447-41-8)

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling

: Lithiumchloride (7447-41-8)

Denmark

Danish National Regulations

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

Switzerland

Storage class (LK)

: LK 2 - Liquefied or pressurized gases

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

This sheet has been revised completely (changes were not marked).

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:	
CAS-No.	Chemical Abstract Service number
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Dose leading to death in 50% of a test population (median lethal dose)
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
VOC	Volatile Organic Compounds
WGK:	Water Hazard Class
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
IARC	International Agency for Research on Cancer
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
N.O.S.	Not Otherwise Specified
ED	Endocrine disrupting properties

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Data sources	: These data are based on the current state of our knowledge. However, they do not provide a guarantee of product properties and do not establish a contractual legal relationship. Classification procedure: . Health and Environmental Hazards: The method for classifying mixtures based on the components of the mixture (sum formula). Physical and Chemical Properties: Classification is based on the results of the mixtures tested.
Other information	: DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), 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
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Sol. 1	Flammable solids, Category 1
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

PROTECTION PRIMER - RED/BROWN (500 ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

The classification complies with : ATP 12

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.