

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

1.1. Product identifier

Product form	: Mixture
Trade name	: ARMY PAINTER COLOR PRIMER
Product code	: CPXXX
Type of product	: Aerosol
Vaporizer	: Container fitted with a sealed spray attachment
Product group	: Trade product

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

1.2.1. Relevant identified uses

Main use category	: Industrial use, Professional use, Consumer use
Industrial/Professional use spec	: Wide dispersive use
Use of the substance/mixture	: Spraying paint (spray can)
Function or use category	: Adhesives, binding agents, Fixing agents

1.2.2. Uses advised against

Recommended use are listed above; other uses are not recommended unless an assessment has provided that risks are controlled.

1.3. Details of the supplier of the safety data sheet

Supplier

The Army Painter
Christiansmindevej 12
DK 8660 Skanderborg, Denmark
T 28911656
contact@thearmypainter.com, thearmypainter.com

1.4. Emergency telephone number

Emergency number	: Poison centre (UK): National Poisons Information Service Edinburgh (24h) (+44) 844 892 0111 0870 600 6266 (UK only) (Source: UN-WHO)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / 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, Narcosis	H336

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

Adverse physicochemical, human health and environmental effects

Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin and eye irritation. High concentration of vapours may induce: headache, nausea, dizziness. For specific information about the toxicological/ecotoxicological properties and classification of this product, see Sect. 11 and/or Sect. 12.

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2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

GHS07

Signal word (CLP)

: Danger

Contains

: acetone

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.

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.

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, mist.

P271 - Use only outdoors or in a well-ventilated area.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a POISON CENTER if you feel unwell.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P405 - Store locked up.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.

P501 - Dispose of contents and container according to national regulations.

EUH-statements

: EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards (not relevant for classification)

Other hazards which do not result in classification : Contains gas under pressure; may explode if heated.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT and/or 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 substance(s) are 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

3.2. Mixtures

Comments

: Composition/Information on ingredients:

Aerosol jet

Solvents

Paints

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / CLP]
acetone (Solvent)	CAS-No.: 67-64-1 EC-No.: 200-662-2 EC Index-No.: 606-001-00-8 REACH-no: 01-2119471330-49	≥ 25 < 30	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066
xylene (Solvent)	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216-32	≥ 15 < 20	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:gas), H332 Skin Irrit. 2, H315
Propane (Propellant gas)	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 REACH-no: 01-2119486944-21	≥ 15 < 20	Flam. Gas 1, H220 Press. Gas
titanium dioxide (see note [**])	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2 REACH-no: 01-2119489379-17	5 – 15	Carc. 2, H351
Butane (Propellant gas, see note [*])	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0 REACH-no: 01-2119474691-32	≥ 7 < 10	Flam. Gas 1, H220 Press. Gas
Isobutane (Propellant gas)	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0 REACH-no: 01-2119485395-27	≥ 5 < 7	Flam. Gas 1, H220 Press. Gas
dimethyl carbonate	CAS-No.: 616-38-6 EC-No.: 210-478-4 EC Index-No.: 607-013-00-6 REACH-no: 01-2119980035-39	≥ 1 < 2,5	Flam. Liq. 2, H225

Comments

: Note [*]:

This product contains < 0.1 % w/w of 1.3 butadiene (EINECS 203-450-8). According to the criteria laid out by the EU (note K - Annex VI Reg (CE) 1272/2008), this product must be regarded as non-carcinogenic and non-mutagenic.

Note [**]:

Note 10 : The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

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.

First-aid measures after inhalation

: Move the affected person away from the contaminated area and into the fresh air. If experiencing respiratory symptoms: Call a poison center or a doctor.

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First-aid measures after skin contact	: Take off contaminated clothing and shoes. Wash thoroughly with soap and water. If inflammation or irritation persists, seek medical advice.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Protect uninjured eye. If irritation persists, seek medical advice.
First-aid measures after ingestion	: If accidentally swallowed obtain immediate medical attention. Do not give anything to drink. Do not induce vomiting.

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

Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation. Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: Ingestion is not considered a potential route of exposure.
Symptoms/effects upon intravenous administration	: None under normal conditions.
Chronic symptoms	: None to our knowledge.

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

Treat symptomatically. Obtain medical attention if casualty has an altered state of consciousness or if symptoms do not resolve.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Dry powder. Foam. water spray.
Unsuitable extinguishing media	: Do not use a heavy water stream. Use water spray or fog for cooling exposed containers.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol. Heating may cause a fire or explosion.
Explosion hazard	: Contains gas under pressure; may explode if heated. Heat may build pressure in tank and containers, rupturing closed vessels, spreading fire and increasing risk of burns and injuries.
Hazardous decomposition products in case of fire	: On burning: release of carbon monoxide - carbon dioxide. Burning produces heavy smoke.

5.3. Advice for firefighters

Precautionary measures fire	: Move containers from fire area if it can be done without personal risk.
Firefighting instructions	: Use water spray or fog for cooling exposed containers. In case of leakage, eliminate all ignition sources.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus and chemically protective clothing. EN 443. EN 469. EN 659. Do not attempt to take action without suitable protective equipment.
Other information	: Do not breathe fumes from fires or vapours from decomposition.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Eliminate every possible source of ignition. No open flames. No smoking.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear personal protective equipment.
Emergency procedures	: Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

Protective equipment	: Use personal protective equipment as required. Refer to protective measures listed in Sections 7 and 8.
Emergency procedures	: Ventilate area. Stop leak, if safe to do so.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid disposing into drainage/sewer system or directly into the aquatic environment. Notify authorities if liquid enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

- For containment : Cover spill with non combustible material, e.g.: sand, earth, vermiculite.
- Methods for cleaning up : Take up liquid spill into absorbent material. This material and its container must be disposed of in a safe way, and as per local legislation. Ensure that there is a suitable ventilation system. Do not handle in a confined space. Wash away remainder with plenty of water.
- Other information : Recommended measures are based on the most likely spillage scenarios for this material; however, local conditions (wind, air/water temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions. For this reason, local experts should be consulted when necessary.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Container under pressure. Do not drill or burn even after use.
- Precautions for safe handling : Ensure adequate ventilation, especially in confined areas. Take precautionary measures against static discharge. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe spray.
- Hygiene measures : Ensure that proper housekeeping measures are in place. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Use adequate personal protective equipment as needed.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight.
- Incompatible products : Strong oxidants or reducing substances. Strong acids. Strong bases.
- Storage temperature : < 20 °C
- Storage area : Store in a well-ventilated place. Store away from heat.
- Packages and containers: : Store in a closed container. Keep only in original container.

Germany

Storage class (LGK, TRGS 510)

Joint storage table

: LGK 2B - Aerosol dispensers and lighters

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for : LGK 1, LGK 4.1A, LGK 4.1B, LGK 4.2, LGK 4.3, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.2, LGK 7

Joint storage with restrictions permitted for : LGK 2A, LGK 5.1C

Joint storage permitted for : LGK 2B, LGK 3, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

Switzerland

Storage class (LK)

: LK 2 - Liquefied or pressurized gases

7.3. Specific end use(s)

Decorative paint spray for domestic, industrial and professional.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

acetone (67-64-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Acetone
IOEL TWA	1210 mg/m ³
	500 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
EU - Biological Limit Value (BLV)	
Local name	IBE
BLV	50 mg/l End of shift
Remark	urine
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	1200 mg/m ³
	500 ppm
MAK (OEL STEL)	4800 mg/m ³
	2000 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	594 mg/m ³
	246 ppm
OEL STEL	1187 mg/m ³
	492 ppm
Denmark - Occupational Exposure Limits	
OEL TWA	600 mg/m ³
	250 ppm
OEL STEL	1200 mg/m ³
	500 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	1200 mg/m ³
	500 ppm
HTP (OEL STEL)	1500 mg/m ³
	630 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	1210 mg/m ³
	500 ppm
VLE (OEL C/STEL)	2420 mg/m ³
	1000 ppm

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acetone (67-64-1)	
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	1200 mg/m ³
	500 ppm
AGW (OEL C)	2400 mg/m ³
AGW (OEL C) [ppm]	1000 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	1210 mg/m ³
Ireland - Occupational Exposure Limits	
OEL TWA	1210 mg/m ³
	500 ppm
Italy - Occupational Exposure Limits	
Local name	Acetone
OEL TWA	1210 mg/m ³
	500 ppm
Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
Latvia - Occupational Exposure Limits	
OEL TWA	1210 mg/m ³
	500 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	1210 mg/m ³
	500 ppm
TGG-15min (OEL STEL)	2420 mg/m ³
	1000 ppm
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	600 mg/m ³
NDSch (OEL STEL)	1800 mg/m ³
Romania - Occupational Exposure Limits	
OEL TWA	1210 mg/m ³
	500 ppm
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	1210 mg/m ³
	500 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	600 mg/m ³
	250 ppm
KGV (OEL STEL)	1200 mg/m ³
	500 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	1210 mg/m ³

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acetone (67-64-1)	
	500 ppm
WEL STEL (OEL STEL)	3620 mg/m ³
	1500 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	295 mg/m ³
	125 ppm
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	1200 mg/m ³
	500 ppm
KZGW (OEL STEL)	2400 mg/m ³
	1000 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	250 ppm
ACGIH OEL STEL	500 ppm
xylene (1330-20-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	221 mg/m ³
	50 ppm
IOEL STEL	442 mg/m ³
	100 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	221 mg/m ³
	50 ppm
VLE (OEL C/STEL)	442 mg/m ³
	100 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	440 mg/m ³
	100 ppm
AGW (OEL C)	880 mg/m ³
AGW (OEL C) [ppm]	200 ppm
Italy - Occupational Exposure Limits	
OEL TWA	221 mg/m ³
	50 ppm
OEL STEL	442 mg/m ³
	100 ppm
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	221 mg/m ³
	50 ppm
VLA-EC (OEL STEL)	442 mg/m ³

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xylene (1330-20-7)	
	100 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	220 mg/m ³ 50 ppm
WEL STEL (OEL STEL)	441 mg/m ³ 100 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	100 ppm
ACGIH OEL STEL	150 ppm
Propane (74-98-6)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	1800 mg/m ³ (Propane) 1000 ppm (Propane)
MAK (OEL STEL)	3600 mg/m ³ (Propane) 2000 ppm (Propane)
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	1800 mg/m ³ (Propane) 1000 ppm (Propane)
AGW (OEL C)	7200 mg/m ³ (15 min) (Propane)
AGW (OEL C) [ppm]	4000 ppm (15 min) (Propane)
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	1800 mg/m ³ (Propane)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	1800 mg/m ³ (Propane) 1000 ppm (Propane)
KZGW (OEL STEL)	7200 mg/m ³ (Propane) 4000 ppm (Propane)
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	1000 ppm (Alkanes, C1-C4)
titanium dioxide (13463-67-7)	
Belgium - Occupational Exposure Limits	
OEL TWA	10 mg/m ³
Denmark - Occupational Exposure Limits	
OEL TWA	6 mg/m ³ Total Dust, including Micro Dust
OEL STEL	12 mg/m ³ Total Dust, including Micro Dust
France - Occupational Exposure Limits	
VME (OEL TWA)	11 mg/m ³ (Inhalable aerosol)

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titanium dioxide (13463-67-7)	
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	0.3 mg/m ³ (respirable fraction)
Ireland - Occupational Exposure Limits	
OEL TWA	4 mg/m ³ (respirable fraction)
Latvia - Occupational Exposure Limits	
OEL TWA	10 mg/m ³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	10 mg/m ³ (Inhalable fraction)
Romania - Occupational Exposure Limits	
OEL TWA	10 mg/m ³
OEL STEL	15 mg/m ³
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	10 mg/m ³ (Inhalable fraction)
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	5 mg/m ³ (Inhalable aerosol)
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	10 mg/m ³ (Inhalable aerosol)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	3 mg/m ³ (respirable fraction)
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 mg/m ³ (A4, ACGIH 2021)
Butane (106-97-8)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	1600 mg/m ³
	800 ppm
MAK (OEL STEL)	3800
	1600 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	1928 mg/m ³
	800 ppm
Denmark - Occupational Exposure Limits	
OEL TWA	1200 mg/m ³
	500 ppm
OEL STEL	2400
	1000 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	1900 mg/m ³ (Butane)
	800 ppm (Butane)
HTP (OEL STEL)	2400 mg/m ³ (Butane)

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Butane (106-97-8)	
	1000 ppm (Butane)
France - Occupational Exposure Limits	
VME (OEL TWA)	1900 mg/m ³ (Butane)
	800 ppm (Butane)
VLE (OEL C/STEL)	1900 mg/m ³
	800 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	2400 mg/m ³
	1000 ppm
AGW (OEL C)	9600 mg/m ³
AGW (OEL C) [ppm]	4000 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	2350 mg/m ³ (Butane)
CK (OEL STEL)	2350 mg/m ³
Ireland - Occupational Exposure Limits	
OEL STEL	1000 ppm (Butane)
Latvia - Occupational Exposure Limits	
OEL TWA	300 mg/m ³ (Butane)
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	1900
NDSch (OEL STEL)	3000 mg/m ³
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	1935 mg/m ³
	800 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	1450 mg/m ³
	600 ppm
WEL STEL (OEL STEL)	1810 mg/m ³
	750 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	600 mg/m ³ (Butane)
	250 ppm (Butane)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	1900 mg/m ³
	800 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	1000 ppm (Alkanes, C1-C4)

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Isobutane (75-28-5)	
Belgium - Occupational Exposure Limits	
OEL STEL	2370 mg/m ³ 980 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	1900 mg/m ³ 800 ppm
HTP (OEL STEL)	2400 mg/m ³ 1000 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	2400 mg/m ³ 1000 ppm
AGW (OEL C)	9600 mg/m ³
AGW (OEL C) [ppm]	4000 ppm
Ireland - Occupational Exposure Limits	
OEL STEL	1000 ppm
Switzerland - Occupational Exposure Limits	
KZGW (OEL STEL)	1900 mg/m ³ 800 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	1000 ppm

8.1.2. Recommended monitoring procedures

Monitoring methods	
Monitoring methods	Monitoring procedures should be chosen according to the indications set by national authorities or labour contracts. Refer to relevant legislation and in any case to the good practice of industrial hygiene. EN 689:2019: Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values. EN 482:2021: Workplace exposure - Procedures for the determination of the concentration of chemical agents - Basic performance requirements.

8.1.3. Air contaminants formed

Applicable OEL and BLV for air contaminants : None known

8.1.4. DNEL and PNEC

ARMY PAINTER COLOR PRIMER	
DNEL/DMEL (additional information)	
Additional information	Not applicable
PNEC (additional information)	
Additional information	Not applicable
acetone (67-64-1)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	2420 mg/m ³

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acetone (67-64-1)	
Long-term - systemic effects, dermal	186 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1210 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	62 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	200 mg/m ³
Long-term - systemic effects, dermal	62 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	10.6 mg/l
PNEC aqua (marine water)	1.06 mg/l
PNEC aqua (intermittent, freshwater)	21 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	30.4 mg/kg dwt
PNEC sediment (marine water)	3.04 mg/kg dwt
PNEC (Soil)	
PNEC soil	29.5 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l
xylene (1330-20-7)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	442 mg/m ³
Acute - local effects, inhalation	442 mg/m ³
Long-term - systemic effects, dermal	212 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	221 mg/m ³
Long-term - local effects, inhalation	221 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	260 mg/m ³
Acute - local effects, inhalation	260 mg/m ³
Long-term - systemic effects,oral	12.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	65.3 mg/m ³
Long-term - systemic effects, dermal	125 mg/kg bodyweight/day
Long-term - local effects, inhalation	65.3 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.327 mg/l
PNEC aqua (marine water)	0.327 mg/l
PNEC aqua (intermittent, freshwater)	0.327 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	12.46 mg/kg dwt
PNEC sediment (marine water)	12.46 mg/kg dwt

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xylene (1330-20-7)	
PNEC (Soil)	
PNEC soil	2.31 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	6.58 mg/l
Propane (74-98-6)	
DNEL/DMEL (additional information)	
Additional information	Not derived - Not classified as hazardous for health
PNEC (additional information)	
Additional information	Not derived - Not classified as hazardous for environment
Butane (106-97-8)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	23.4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.21 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	464 ng/kg bodyweight/day
Long-term - systemic effects, inhalation	140 µg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	80 µg/L
PNEC aqua (marine water)	8 µg/L
PNEC aqua (intermittent, freshwater)	53 µg/L
PNEC aqua (intermittent, marine water)	5.3 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	1.36 mg/kg dwt
PNEC sediment (marine water)	136 µg/kg dw
PNEC (Oral)	
PNEC oral (secondary poisoning)	225 µg/kg dw
dimethyl carbonate (616-38-6)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	34.9 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	2.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	8.7 mg/m ³
Long-term - systemic effects, dermal	2.5 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	500 µg/L
PNEC aqua (marine water)	50 µg/L
PNEC aqua (intermittent, freshwater)	1 mg/l

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dimethyl carbonate (616-38-6)

PNEC (STP)

PNEC sewage treatment plant	188 mg/l
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Note : The Derived No Effect Level (DNEL) is an estimated safe level of exposure that is derived from toxicity data in accord with specific guidance within the European REACH regulation. The DNEL may differ from an Occupational Exposure Limit (OEL) for the same chemical. OELs may be recommended by an individual company, a governmental regulatory body or an expert organization, such as the Scientific Committee for Occupational Exposure Limits (SCOEL) or the American Conference of Governmental Industrial Hygienists (ACGIH). OELs are considered to be safe exposure levels for a typical worker in an occupational setting for an 8-hour work shift, 40 hour work week, as a time weighted average (TWA) or a 15 minute short-term exposure limit (STEL). While also considered to be protective of health, OELs are derived by a process different from that of REACH.

8.1.5. Control banding

Control banding : None established.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Handle in accordance with good industrial hygiene and safety practice. In case of contact with the eyes: Eyewash bottle with clean water.

8.2.2. Personal protection equipment

Personal protective equipment:

Protective clothing. Protective goggles. Gloves.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Use eye protection according to EN 166, designed to protect against spray mists. Do not wear contact lenses

8.2.2.2. Skin protection

Skin and body protection:

Long protective gloves, which go over the sleeves. EN ISO 6529 - protective clothing. EN ISO 13287 - safety shoes

Hand protection:

Protective gloves. Adequate materials: nitrile (NBR) or PVC with a protection index > 5 (permeation time > 240 mins). Neoprene rubber (HNBR). Use gloves respecting all the conditions and within the limits set by the manufacturer. Replace gloves immediately in case of cuts, holes or other signs of damages or degradation. If necessary, refer to the EN 374 standard. Personal hygiene is a key element for an effective hand care. Gloves must be worn only with clean hands. After wearing gloves, hands must be carefully washed and dried.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment (EN 136/140/145). Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV. Combined gas/dust mask with filter type: Filter AX (brown). Filter P (white)

8.2.2.4. Thermal hazards

Thermal hazard protection:

Not necessary under the recommended storage and handling conditions.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Assure that emissions are compliant with all applicable air pollution control regulations.

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Consumer exposure controls:

No special protection required where adequate ventilation is maintained.

Other information:

None.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Characteristic.
Appearance	: Aerosol.
Odour	: Organic solvents.
Odour threshold	: Lack of data (on mixture / components of the mixture) - Data not available
Melting point	: Not applicable
Freezing point	: Lack of data (on mixture / components of the mixture) - Data not available
Boiling point	: Lack of data (on mixture / components of the mixture) - Data not available
Flammability	: Extremely flammable aerosol.
Explosive properties	: None (according to composition).
Oxidising properties	: None (according to composition).
Lower explosion limit	: Lack of data (on mixture / components of the mixture) - Data not available
Upper explosion limit	: Lack of data (on mixture / components of the mixture) - Data not available
Flash point	: < 0 °C
Auto-ignition temperature	: Lack of data (on mixture / components of the mixture) - Data not available
Decomposition temperature	: Lack of data (on mixture / components of the mixture) - Data not available
pH	: 8
Viscosity, kinematic	: Lack of data (on mixture / components of the mixture) - Data not available
Viscosity, dynamic	: Lack of data (on mixture / components of the mixture) - Data not available
Solubility	: Soluble in most organic solvents. Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 5 bar (20°C)
Vapour pressure at 50°C	: 8 bar
Density	: 0.75 – 0.8 g/ml
Relative density	: Lack of data (on mixture / components of the mixture) - Data not available
Relative vapour density at 20°C	: Lack of data (on mixture / components of the mixture) - Data not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1)	: Lack of data (on mixture / components of the mixture) - Data not available
VOC content	: 582.6 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

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10.5. Incompatible materials

Strong oxidizing agents. Strong bases. Strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates : Carbon dioxide. Carbon monoxide.

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)
Additional information	: Dependent on the composition
	Contains:
	xylene
	Causes irritation of mucous membranes and depression of the respiratory and nervous systems

acetone (67-64-1)	
LD50 oral rat	5800 mg/kg bodyweight
LD50 dermal rabbit	7426 – 15800 mg/kg bodyweight
LC50 Inhalation - Rat	76 mg/l/4h

xylene (1330-20-7)	
LD50 oral rat	3523 – 4000 mg/kg
LD50 dermal rabbit	12126 mg/kg bodyweight
LC50 Inhalation - Rat [ppm]	6350 – 6700 ppm/4h

titanium dioxide (13463-67-7)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LD50 oral	2000 – 25000 mg/kg bodyweight
LC50 Inhalation - Rat	3.43 – 6.82 mg/l/4h

Butane (106-97-8)	
LC50 Inhalation - Rat	1355 mg/m ³
LC50 Inhalation - Rat [ppm]	570000 ppm

dimethyl carbonate (616-38-6)	
LD50 oral rat	5000 mg/kg bodyweight
LD50 dermal rabbit	2000 mg/kg bodyweight
LC50 Inhalation - Rat	5.36 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation. pH: 8
Additional information	: Dependent on the composition

titanium dioxide (13463-67-7)	
pH	7

Serious eye damage/irritation	: Causes serious eye irritation. pH: 8
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Additional information : Dependent on the composition

titanium dioxide (13463-67-7)

pH : 7

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Additional information : Dependent on the composition

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Additional information : Dependent on the composition
This product contains < 0.1 %wt of 1.3 butadiene (EINECS 203-450-8) (note K - Annex VI Reg (CE) 1272/2008)
Not mutagenic

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Additional information : Dependent on the composition
This product contains < 0.1 % wt of 1.3 butadiene (EINECS 203-450-8). According to the criteria laid out by the EU, this product must be regarded as non carcinogenic.

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Additional information : Dependent on the composition

STOT-single exposure : May cause drowsiness or dizziness.

Additional information : Dependent on the composition
In the event of exposure to high concentrations: Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination

acetone (67-64-1)

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Additional information : Dependent on the composition

xylene (1330-20-7)

LOAEL (oral, rat, 90 days) : 150 mg/kg bodyweight (OECD Guideline 408) (EPA OPP 82-1)

Butane (106-97-8)

NOAEC (inhalation, rat, gas, 90 days) : 9000 ppmv/6h/day

Aspiration hazard : Not classified (Not applicable due to the physical state of product.)

Additional information : Dependent on the composition

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Vaporizer : Container fitted with a sealed spray attachment

Viscosity, kinematic : Lack of data (on mixture / components of the mixture) - Data not available

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : None, 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 substance(s) are 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 %

11.2.2. Other information

Potential adverse human health effects and symptoms : Irritation: severely irritant to eyes, Causes skin irritation, Repeated exposure may cause skin dryness or cracking, High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting

Other information : No available data

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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. Handle in accordance with good industrial hygiene and safety practice.
- Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
- Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

acetone (67-64-1)	
LC50 - Fish [1]	5.54 – 8.12 g/l
xylene (1330-20-7)	
LC50 - Fish [1]	2.6 mg/l
EC50 - Crustacea [1]	> 3.4 mg/l (Ceriodaphnia dubia)
EC50 72h - Algae [1]	2.2 – 4.36 mg/l
LOEC (chronic)	3.16 mg/l (Daphnia magna; 21 d)
NOEC chronic fish	> 1.3 mg/l (Oncorhynchus mykiss; 56 d)
titanium dioxide (13463-67-7)	
LC50 - Fish [1]	155 mg/l Test organisms (species): other:Japanese Medaka
EC50 - Crustacea [1]	19.3 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	27.8 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	160 mg/l (6d)
NOEC chronic crustacea	100 mg/l (28d)
Butane (106-97-8)	
LC50 - Fish [1]	24.11 mg/l (96h - QSAR)
EC50 - Crustacea [1]	14.22 mg/l (QSAR)
EC50 96h - Algae [1]	7.71 mg/l (QSAR)
dimethyl carbonate (616-38-6)	
LC50 - Fish [1]	100 – 2168 mg/l
EC50 - Crustacea [1]	74.16 – 100 mg/l
EC50 72h - Algae [1]	0 (57.29 – 100) mg/l
EC50 96h - Algae [1]	211 mg/l
NOEC (acute)	100 mg/l
NOEC chronic crustacea	25 mg/l (21d)

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12.2. Persistence and degradability

ARMY PAINTER COLOR PRIMER

Persistence and degradability	Paraffinic hydrocarbons may be considered biodegradable in water and in the air. They distribute mainly in the air. The small amount that is distributed in water and is not biodegradable accumulates in the fish.
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acetone (67-64-1)

Persistence and degradability	Rapidly degradable
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xylene (1330-20-7)

Persistence and degradability	Rapidly degradable
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Propane (74-98-6)

Persistence and degradability	Readily biodegradable.
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titanium dioxide (13463-67-7)

Persistence and degradability	Rapidly degradable
-------------------------------	--------------------

Butane (106-97-8)

Persistence and degradability	Readily biodegradable.
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Biodegradation	50 % (3.46d, QSAR)
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Isobutane (75-28-5)

Persistence and degradability	Rapidly degradable
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dimethyl carbonate (616-38-6)

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

ARMY PAINTER COLOR PRIMER

Bioaccumulative potential	Product is volatile from the soil. Bioaccumulation unlikely.
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acetone (67-64-1)

Bioconcentration factor (BCF REACH)	3
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Partition coefficient n-octanol/water (Log Kow)	-0.23
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xylene (1330-20-7)

Bioconcentration factor (BCF REACH)	25.9
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Partition coefficient n-octanol/water (Log Kow)	3.12
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Propane (74-98-6)

Partition coefficient n-octanol/water (Log Kow)	1.09
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Butane (106-97-8)

Partition coefficient n-octanol/water (Log Pow)	2.89
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Partition coefficient n-octanol/water (Log Kow)	≤ 3
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Bioaccumulative potential	Low bioaccumulation potential.
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12.4. Mobility in soil

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Ecology - soil

Product is easily volatile. The product is poorly absorbed into soil or sediment. No indication of bioaccumulation potential.

xylene (1330-20-7)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)

2.73

Butane (106-97-8)

Ecology - soil

Product is easily volatile. No indication of bioaccumulation potential.

12.5. Results of PBT and vPvB assessment

ARMY PAINTER COLOR PRIMER

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: Endocrine disrupting properties (Article 57(f) — environment): None known. 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 substance(s) are 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 %.

12.7. Other adverse effects

Additional information

: No other effects known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation

: Disposal must be done according to official regulations.

Sewage disposal recommendations

: Prevent runoff from entering water courses, sewers and basements.

Product/Packaging disposal recommendations

: Container under pressure. Do not drill or burn even after use. . If recycling is not possible, eliminate in accordance with local valid waste disposal regulations.

Additional information

: Flammable vapours may accumulate in the container. Handle empty containers with care because residual vapours are flammable. Hazardous waste due to potential risk of explosion.

European List of Waste (LoW, EC 2000/532)

: 15 01 11* - metallic packaging containing a dangerous solid porous matrix (e.g. asbestos), including empty pressure containers

SECTION 14: Transport information






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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS

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ADR	IMDG	IATA	ADN	RID
Transport document description				
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.1
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: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Transport regulations (ADR) : Subject to the provisions
Classification code (ADR) : 5F
Limited quantities (ADR) : 1L
Excepted quantities (ADR) : E0
Transport category (ADR) : 2
Tunnel restriction code (ADR) : D

Transport by sea

Transport regulations (IMDG) : Subject to the provisions
Limited quantities (IMDG) : 1 L
Excepted quantities (IMDG) : E0
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U
Stowage category (IMDG) : None

Air transport

Transport regulations (IATA) : Subject to the provisions
PCA Excepted quantities (IATA) : E0
PCA limited quantity max net quantity (IATA) : 30kgG
PCA max net quantity (IATA) : 75kg
CAO max net quantity (IATA) : 150kg

Inland waterway transport

Transport regulations (ADN) : Subject to the provisions
Classification code (ADN) : 5F
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E0

Rail transport

Transport regulations (RID) : Subject to the provisions
Classification code (RID) : 5F
Limited quantities (RID) : 1L
Excepted quantities (RID) : E0
Transport category (RID) : 2
Hazard identification number (RID) : 23

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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

Other information, restriction and prohibition regulations : Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). (et sequens). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (et sequens). Regulation (EC) n. 1005/2009 on substances that deplete the ozone layer. Regulation (EC) n. 649/2012 on the export and import of dangerous chemicals. POP (2019/1021) - Persistent Organic Pollutants. Commission Delegated Regulation (EU) 2017/2100. Commission Regulation (EU) 2018/605.

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	ARMY PAINTER COLOR PRIMER ; acetone ; xylene ; dimethyl carbonate	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)	ARMY PAINTER COLOR PRIMER ; acetone ; xylene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
40.	acetone ; xylene ; Propane ; Butane ; Isobutane ; dimethyl carbonate	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.

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)

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)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

VOC Directive (2004/42)

VOC content : 582.6 g/l

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Seveso Directive (Disaster Risk Reduction)

Seveso Additional information : Seveso category: P3a

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 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://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives_en

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, Subcategory	Threshold	Annex
Acetone		67-64-1	2914 11 00	Category 3		Annex I

15.1.2. National regulations

National adoption of EU Directives concerning health and safety on the workplace.

National adoption of EU Directives concerning control of major-accident hazards involving dangerous substances (2012/18/CE).

France

Occupational diseases	
Code	Description
RG 4 BIS	Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them
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 dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

Germany

- Employment restrictions : Employment prohibitions and restrictions according to § 11 and § 12 MuSchG have to be observed.
- National Rules and Recommendations : TRGS 400: Hazard assessment for activities involving Hazardous Substances.
TRGS 401: Risks resulting from skin contact - identification, assessment, measures.
TRGS 402: Identification and Assessment of the Risks from Activities involving Hazardous Substances: Inhalation Exposure.
TRGS 407: Activities involving gases - hazard assessment.
TRGS 500: Protective measures.
TRGS 510: Storage of hazardous substances in non-stationary containers.
TRGS 555: Working instruction and information for workers.
TRGS 725: Portable compressed-gas tanks - filling, keeping, internal transporting, emptying.
TRGS 800: Fire protection measures.
TRGS 900: Occupational Exposure Limits.
- VbF class : Not applicable.
- Water hazard class (WGK) (D) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).
- WGK remark : Classification is carried out on the basis of the Ordinance on facilities for handling substances that are hazardous to water (Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV)) of 18 April 2017 (BGBl 2017, Teil I, Nr. 22, Seite 905).
- Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

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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	: None of the components are listed
SZW-lijst van reprotoxische stoffen –	: None of the components are listed
Vruchtbaarheid	
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: xylene is listed

Denmark

Classification remarks	: Add boilingpoint; Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	: Young people under 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with it The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

For this mixture a chemical safety assessment has been not carried out

For the following substances of this mixture a chemical safety assessment has been carried out:

acetone
xylene
Propane
titanium dioxide
Butane
Isobutane
dimethyl carbonate

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
3	Composition/information on ingredients	Modified	
3.2	Comments (below composition)	Modified	
5.1	Unsuitable extinguishing media	Modified	
6.1	Emergency procedures	Modified	
7.1	Precautions for safe handling	Modified	
7.2	Incompatible products	Modified	
8	Monitoring methods	Modified	
8.2	Hand protection	Modified	
9.1	Particle size	Added	
9.1	Vapour pressure	Modified	
9.1	pH solution	Added	
9.1	pH	Modified	
10.5	Incompatible materials	Modified	
11.1	Reason for no classification	Modified	
11.1	Additional information	Modified	
12.3	Bioaccumulative potential	Modified	
12.4	Ecology - soil	Modified	

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Indication of changes			
Section	Changed item	Change	Comments
13.1	European List of Waste (LoW, EC 2000/532)	Modified	
14.7	IBC code	Modified	
15.1	VbF class (D)	Modified	
16	Indication of changes	Modified	

Abbreviations and acronyms:	
	Complete text of the H phrases quoted in this Safety Data Sheet. These phrases are reported here for information only, and MAY NOT correspond to the classification of the product.
	N/D = not available
	N/A = not applicable
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
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
EC-No.	European Community number
EC50	Effective concentration for 50 percent of test population (median effective concentration)
ED	Endocrine disrupting properties
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
IOELV	Indicative Occupational Exposure Limit Value
LC50	Lethal concentration for 50 percent of test population (median lethal concentration)
LD50	Lethal dose for 50 percent of test population (median lethal dose)
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organization for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals, Regulation (EC) No 1907/2006

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Abbreviations and acronyms:

RID	Regulation concerning the International Carriage of Dangerous Goods by Railways
SDS	Safety Data Sheet
STP	Sewage treatment plant
TRGS	Technical Rules for Hazardous Substances
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Data sources	: The regulatory information given in this part only indicate the principal regulations specifically applicable to the product described in the Safety Data Sheet. This Safety Data Sheet has been established in accordance with the applicable European Union legislation. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). (et sequens). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (et sequens).
Training advice	: Provide adequate training to professional operators for the use of PPEs, according to the information contained in this Safety Data Sheet. Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	: The product should not be used for purposes other than those shown above without first referring to the supplier and obtaining written handling instructions.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 4
Carc. 2	Carcinogenicity, Category 2
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
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.
H351	Suspected of causing cancer.

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Full text of H- and EUH-statements:

Press. Gas	Gases under pressure
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Aerosol 1	H222;H229	On basis of test data: Weight of evidence
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	Calculation method

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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.