SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

DE / EN

Alpinaweiss SOS Sprüh-Lack

Version	Revision Date:	SDS Number:	Date of last issue: 08.01.2026
4.3	09.10.2026	6024076	Date of first issue: 09.04.2021

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

1.1 Product identifier

Trade name	:	Alpinaweiss SOS Sprüh-Lack
Unique Formula Identifier (UFI)	:	GDUP-PQ3A-001U-A1JN

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

Use of the Substance/Mixture	:	Spray paint
Recommended restrictions on use	:	within adequate application - none

1.3 Details of the supplier of the safety data sheet

Company	:	Alpina Farben GmbH Roßdörfer Straße 50 64372 OBER RAMSTADT
Telephone	:	+498001238887
Telefax	:	+4961547170632
Website	:	www.alpina-farben.de
E-mail address Responsible/issuing person	:	msds@daw.de

1.4 Emergency telephone

Emergency telephone 1	:	+49613284463 GBK GmbH

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Danger

Hazard Statements :

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Supplemental Hazard Statements :

EUH066	Repeated exposure may cause skin dryness or cracking.

Precautionary Statements :

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Prevention:

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

Storage:

P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:

P501	Dispose of contents/ container to an approved waste disposal plant.

Hazardous ingredients which must be listed on the label:

n-butyl acetate
acetone
butanone
2-methoxy-1-methylethyl acetate



Signal Word : Danger

Hazard Statements :

H222	Extremely flammable aerosol.
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Supplemental Hazard Statements	:	EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary Statements	:	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.**
		P271	**Use only outdoors or in a well-ventilated area.**
		P405	**Store locked up.**
		P410 + P412	**Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.**
		P501	**Dispose of contents/ container to an approved waste disposal plant.**

Hazardous ingredients which must be listed on the label:

n-butyl acetate
acetone
butanone

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Ensure thorough ventilation during and after application. Do not allow to enter into surface water or drains.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
n-butyl acetate	123-86-4 204-658-1	Flam. Liq. 3; H226 STOT SE 3; H336	>= 10 - < 20

	607-025-00-1 01-2119485493-29	(Central nervous system) EUH066	
acetone	67-64-1 200-662-2 606-001-00-8 01-2119471330-49	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	>= 10 - < 20
butanone	78-93-3 201-159-0 606-002-00-3 01-2119457290-43, 01-2119943742-35	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	>= 1 - < 10
xylene	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 Asp. Tox. 1; H304 STOT RE 2; H373	>= 1 - < 10
Substances with a workplace exposure limit :			
propane	74-98-6 200-827-9 601-003-00-5 01-2119486944-21	Flam. Gas 1A; H220 Press. Gas Compr. Gas; H280	>= 20 - < 30
butane	106-97-8 203-448-7 601-004-00-0 01-2119474691-32	Flam. Gas 1A; H220 Press. Gas Compr. Gas; H280	>= 20 - < 30
isobutane	75-28-5 200-857-2 601-004-00-0 01-2119485395-27	Flam. Gas 1A; H220 Press. Gas Compr. Gas; H280	>= 1 - < 10
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7 01-2119475791-29	Flam. Liq. 3; H226	>= 1 - < 10
titanium dioxide	13463-67-7 236-675-5 01-2119489379-17		>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice : Never give anything by mouth to an unconscious person.
If you feel unwell, seek medical advice (show the label where possible).

Move out of dangerous area.
First aider needs to protect himself.

If inhaled : If symptoms persist, call a physician.
Move to fresh air.

In case of skin contact : Do NOT use solvents or thinners.
In case of contact, immediately flush skin with soap and plenty of water.
Take off all contaminated clothing immediately.

In case of eye contact : If eye irritation persists: Get medical advice/ attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If swallowed : Seek medical advice.
Clean mouth with water and drink afterwards plenty of water.
If swallowed, DO NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Risks : Causes serious eye irritation.
May cause drowsiness or dizziness.
Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.
In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3 Advice for firefighters

Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus.
Further information	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Standard procedure for chemical fires. In the event of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Remove all sources of ignition.

6.2 Environmental precautions

Environmental precautions	:	Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:	Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

For further information see Section 7 of the safety data sheet.
, For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	For personal protection see section 8. Avoid exceeding the given occupational exposure limits (see section 8). Provide sufficient air exchange and/or exhaust in work rooms.
Advice on protection against fire and explosion	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Hygiene measures	:	Avoid contact with the skin and the eyes. Wash hands before eating, drinking, or smoking. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in accordance with the particular national regulations. Store in original container. Store between 41 and 77 °F in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage class (TRGS 510) : 2B

7.3 Specific end use(s)

Specific use(s) : This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propane	74-98-6	MAK	1.000 ppm 1.800 mg/m3	DE DFG MAK
	Peak-limit category: 4; II			
	Further information: Either there are no data for an assessment of damage to the embryo or foetus, including developmental neurotoxicity, or the currently available data are not sufficient for classification in one of the groups A - C			
		AGW	1.000 ppm 1.800 mg/m3	DE TRGS 900
	Peak-limit category: 4;(II)			
butane	106-97-8	AGW	1.000 ppm 2.400 mg/m3	DE TRGS 900
	Peak-limit category: 4;(II)			
		MAK	1.000 ppm 2.400 mg/m3	DE DFG MAK
	Peak-limit category: 4; II			
	Further information: Either there are no data for an assessment of damage to the embryo or foetus, including developmental neurotoxicity, or the currently available data are not sufficient for classification in one of the groups A - C			
n-butyl acetate	123-86-4	STEL	150 ppm 723 mg/m3	2019/1831/EU
	Further information: Indicative			
		TWA	50 ppm 241 mg/m3	2019/1831/EU
	Further information: Indicative			
		MAK	100 ppm 480 mg/m3	DE DFG MAK
	Peak-limit category: 2; I			
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			

		AGW	62 ppm 300 mg/m3	DE TRGS 900
	Peak-limit category: 2;(I)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
acetone	67-64-1	TWA	500 ppm 1.210 mg/m3	2000/39/EC
	Further information: Indicative			
		MAK	500 ppm 1.200 mg/m3	DE DFG MAK
	Peak-limit category: 2; I			
	Further information: According to currently available information damage to the embryo or foetus cannot be excluded after exposure to concentrations at the level of the MAK and BAT values			
		AGW	500 ppm 1.200 mg/m3	DE TRGS 900
	Peak-limit category: 2;(I)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
isobutane	75-28-5	AGW	1.000 ppm 2.400 mg/m3	DE TRGS 900
	Peak-limit category: 4;(II)			
		MAK	1.000 ppm 2.400 mg/m3	DE DFG MAK
	Peak-limit category: 4; II			
	Further information: Either there are no data for an assessment of damage to the embryo or foetus, including developmental neurotoxicity, or the currently available data are not sufficient for classification in one of the groups A - C			
2-methoxy-1-methylethyl acetate	108-65-6	STEL	100 ppm 550 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 275 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		MAK	50 ppm 270 mg/m3	DE DFG MAK
	Peak-limit category: 1; I			
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
		AGW	50 ppm 270 mg/m3	DE TRGS 900
	Peak-limit category: 1;(I)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
titanium dioxide	13463-67-7	MAK (measured as the alveolate fraction)	0,3 mg/m3	DE DFG MAK

	Peak-limit category: 8; II			
	Further information: Substances that cause cancer in humans or animals or that are considered to be carcinogenic for humans and for which a MAK value can be derived., Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
		AGW (Inhalable fraction)	10 mg/m3 (Titanium dioxide)	DE TRGS 900
	Peak-limit category: 2;(II)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		AGW (Alveolate fraction)	1,25 mg/m3 (Titanium dioxide)	DE TRGS 900
	Peak-limit category: 2;(II)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		BM (Alveolar dust fraction)	0,5 mg/m3	DE TRGS 527
butanone	78-93-3	STEL	300 ppm 900 mg/m3	2000/39/EC
	Further information: Indicative			
		TWA	200 ppm 600 mg/m3	2000/39/EC
	Further information: Indicative			
		MAK	200 ppm 600 mg/m3	DE DFG MAK
	Peak-limit category: 1; I			
	Further information: Danger of absorption through the skin, Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
		AGW	200 ppm 600 mg/m3	DE TRGS 900
	Peak-limit category: 1;(I)			
	Further information: Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
xylene	1330-20-7	MAK	50 ppm 220 mg/m3	DE DFG MAK
	Peak-limit category: 2; II			
	Further information: Danger of absorption through the skin, Either there are no data for an assessment of damage to the embryo or foetus, including developmental neurotoxicity, or the currently available data are not sufficient for classification in one of the groups A - C			
		TWA	50 ppm 221 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		AGW	50 ppm 220 mg/m3	DE TRGS 900

	Peak-limit category: 2;(II)
	Further information: Skin absorption

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
acetone	67-64-1	Acetone: 50 mg/l (Urine)	Immediately after exposition or after working hours	DE DFG BAT
		Acetone: 50 mg/l (Urine)	Immediately after exposure or after working hours	TRGS 903
butanone	78-93-3	2-butanon: 5 mg/l (Urine)	Immediately after exposition or after working hours	DE DFG BAT
		2-butanone: 2 mg/l (Urine)	Immediately after exposure or after working hours	TRGS 903
xylene	1330-20-7	Methylhippuric acid (toluric acid) (all isomers): 2.000 mg/l (Urine)	Immediately after exposition or after working hours	DE DFG BAT
		methylhippuric acid (all isomers): 2.000 mg/l (Urine)	Immediately after exposure or after working hours	TRGS 903

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Substance name	End Use	Routes of exposure	Potential health effects	Value
n-butyl acetate	Workers	Inhalation	Long-term systemic effects	48,00 mg/m3
	Workers	Inhalation	Acute systemic effects	600,00 mg/m3
	Workers	Inhalation	Long-term local effects	300 mg/m3
	Workers	Inhalation	Acute local effects	600 mg/m3
	Workers	Skin contact	Long-term systemic effects	7,00 mg/kg bw/day
	Workers	Skin contact	Acute systemic effects	11 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	12,00 mg/m3
	Consumers	Inhalation	Acute systemic effects	300 mg/m3
	Consumers	Inhalation	Long-term local effects	35,7 mg/m3
	Consumers	Inhalation	Acute local effects	300 mg/m3
	Consumers	Skin contact	Long-term systemic effects	3,40 mg/kg bw/day
	Consumers	Skin contact	Acute systemic effects	6 mg/kg bw/day

	Consumers	Ingestion	Long-term systemic effects	2 mg/kg bw/day
	Consumers	Ingestion	Acute systemic effects	2 mg/kg bw/day
acetone	Consumers	Inhalation	Long-term systemic effects	200,00 mg/m3
	Consumers	Ingestion	Long-term systemic effects	62,00 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	62,00 mg/kg bw/day
	Workers	Inhalation	Acute local effects	2420,00 mg/m3
	Workers	Inhalation	Long-term systemic effects	1210,00 mg/m3
	Workers	Skin contact	Long-term systemic effects	186,00 mg/kg bw/day
titanium dioxide	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day
	Workers	Inhalation	Long-term local effects	10,00 mg/m3
2-methoxy-1-methylethyl acetate	Workers	Inhalation	Long-term systemic effects	275,00 mg/m3
	Workers	Inhalation	Acute local effects	550,00 mg/m3
	Workers	Skin contact	Long-term systemic effects	796,00 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	33,00 mg/m3
	Consumers	Inhalation	Long-term local effects	33,00 mg/m3
	Consumers	Skin contact	Long-term systemic effects	320,00 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	36,00 mg/kg bw/day
butanone	Consumers	Inhalation	Long-term systemic effects	106,00 mg/m3
	Consumers	Skin contact	Long-term systemic effects	412,00 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	31,00 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	600,00 mg/m3
	Workers	Skin contact	Long-term systemic effects	1161,00 mg/kg bw/day
xylene	Consumers	Inhalation	Acute local effects	174,00 mg/m3
	Consumers	Skin contact	Long-term systemic effects	108,00 mg/kg bw/day
	Consumers	Inhalation	Acute systemic effects	174,00 mg/m3
	Consumers	Ingestion	Long-term systemic effects	1,60 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic	14,80 mg/m3

			effects	
	Workers	Inhalation	Acute systemic effects	289,00 mg/m3
	Workers	Inhalation	Acute local effects	289,00 mg/m3
	Workers	Inhalation	Long-term systemic effects	77,00 mg/m3
	Workers	Skin contact	Long-term systemic effects	180,00 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
n-butyl acetate	Fresh water sediment	0,981 mg/kg dry weight (d.w.)
	Soil	0,0903 mg/kg dry weight (d.w.)
	Sea sediment	0,0981 mg/kg dry weight (d.w.)
	Intermittent use/release	0,36 mg/l
	Sewage treatment plant	35,6 mg/l
	Sea water	0,018 mg/l
	Fresh water	0,18 mg/l
acetone	Fresh water sediment	30,4 mg/kg dry weight (d.w.)
	Sewage treatment plant	100 mg/l
	Sea sediment	3,04 mg/kg dry weight (d.w.)
	Fresh water	10,6 mg/l
	Sea water	1,06 mg/l
	Intermittent use/release	21 mg/l
	Soil	29,5 mg/kg dry weight (d.w.)
titanium dioxide	Sewage treatment plant	100 mg/l
	Fresh water	0,184 mg/l
	Soil	100 mg/kg dry weight (d.w.)
	Sea water	0,0184 mg/l
	Fresh water sediment	1000 mg/kg dry weight (d.w.)
	Sea sediment	100 mg/kg dry weight (d.w.)
	Intermittent use/release	0,193 mg/l
2-methoxy-1-methylethyl acetate	Fresh water	0,635 mg/l
	Intermittent use/release	6,35 mg/l
	Sea sediment	0,329 mg/kg dry weight (d.w.)
	Fresh water sediment	3,29 mg/kg dry weight (d.w.)
	Sewage treatment plant	100 mg/l
	Sea water	0,0635 mg/l
	Soil	0,29 mg/kg dry weight (d.w.)

butanone	Secondary Poisoning	1000 mg/kg food
	Sewage treatment plant	709 mg/l
	Sea sediment	284,7 mg/kg dry weight (d.w.)
	Fresh water sediment	284,74 mg/kg dry weight (d.w.)
	Sea water	55,8 mg/l
	Intermittent use/release	55,8 mg/l
	Fresh water	55,8 mg/l
	Soil	22,5 mg/kg dry weight (d.w.)
xylene	Fresh water	0,327 mg/l
	Intermittent use/release	0,327 mg/l
	Soil	2,31 mg/kg dry weight (d.w.)
	Fresh water sediment	12,46 mg/kg dry weight (d.w.)
	Sewage treatment plant	6,58 mg/l
	Sea water	0,327 mg/l
	Sea sediment	12,46 mg/kg dry weight (d.w.)

8.2 Exposure controls

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection : DGUV Regulation 112-192 - Use of eye and face protection

Tightly fitting safety goggles

Hand protection
- Material : Nitrile rubber
- Glove thickness : 0,2 mm
- Protective index : Class 3

Remarks : Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Before removing gloves clean them with soap and water. Wear suitable gloves tested to EN374.
DGUV Regulation 112-195 - Use of protective gloves

Skin and body protection : Safety shoes
Long sleeved clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Skin should be washed after contact.

During spray application: impervious clothing

Respiratory protection : During spray application: Do not breathe spray dust. Use

A2/P2 combination filter for paint spraying.

DGUV Regulation 112-190 - Use of breathing equipment

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	aerosol
Color	:	white
Odor	:	No data available
Odor Threshold	:	Not relevant
Melting point/freezing point	:	not determined
Boiling point/boiling range	:	not determined
Flammability	:	Sustains combustion
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	ca. -70 °C
Autoignition temperature	:	not determined
Decomposition temperature	:	Not applicable
pH	:	6,95 Concentration: 10 %
Viscosity		
Viscosity, dynamic	:	No data available

Solubility(ies)		
Water solubility	:	partly miscible
Partition coefficient: n-octanol/water	:	not determined
Vapor pressure	:	not determined
Relative density	:	not determined
Density	:	0,854 g/cm3
Relative vapor density	:	not determined

9.2 Other information

Explosives	:	Not applicable
Oxidizing properties	:	Not applicable
Evaporation rate	:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Vapors may form explosive mixture with air. Hazardous decomposition products formed under fire conditions.

10.4 Conditions to avoid

Conditions to avoid	:	Risk of bursting. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Protect from frost, heat and sunlight.

Risk of bursting.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

10.5 Incompatible materials

Materials to avoid : Incompatible with acids and bases.
Incompatible with oxidizing agents.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

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

Acute toxicity

Not classified based on available information.

Product:

Acute inhalation toxicity : Acute toxicity estimate: > 20000 ppm
Exposure time: 4 h
Test atmosphere: gas
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:

n-butyl acetate:

Acute oral toxicity : LD50 Oral (Rat): 14.000 mg/kg

acetone:

Acute oral toxicity : LD50 Oral (Rat): 5.800 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 20.000 mg/kg

butanone:

Acute oral toxicity : LD50 Oral (Rat): > 2.193 mg/kg
Method: OECD Test Guideline 423

Acute inhalation toxicity : LC50 (Rat): 34 mg/l
Exposure time: 4 h
Test atmosphere: vapor

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5.000 mg/kg
Method: OECD Test Guideline 402

xylene:

Acute inhalation toxicity : LC50 (Rat): 5000 ppm
Exposure time: 4 h
Test atmosphere: gas

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified based on available information.

Aspiration hazard

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

n-butyl acetate:

Partition coefficient: n-octanol/water	:	log Pow: 2,3 (25 °C) Method: OECD Test Guideline 117

acetone:

Partition coefficient: n-octanol/water	:	log Pow: -0,24 (20 °C)

xylene:

Partition coefficient: n-octanol/water	:	log Pow: ca. 3,155 (20 °C) pH: 7

butane:

Partition coefficient: n-octanol/water	:	log Pow: 2,31 (20 °C) pH: 7

2-methoxy-1-methylethyl acetate:

Partition coefficient: n-octanol/water	:	log Pow: 1,2 (20 °C) Method: OECD Test Guideline 117

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment	:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to

REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local, regional, national and international authorities. Must not reach sewage system or environment.
Contaminated packaging	:	Only completely emptied containers should be given for recycling.
Waste Code	:	used product 080111*, waste paint and varnish containing organic solvents or other dangerous substances

SECTION 14: Transport information

14.1 UN number or ID number

ADN	:	UN 1950
ADR	:	UN 1950
RID	:	UN 1950
IMDG	:	UN 1950
IATA	:	UN 1950

14.2 UN proper shipping name

ADN	:	AEROSOLS
ADR	:	AEROSOLS
RID	:	AEROSOLS
IMDG	:	AEROSOLS
IATA	:	Aerosols, flammable

14.3 Transport hazard class(es)

		Class	Subsidiary risks
ADN	:	2	2.1
ADR	:	2	2.1
RID	:	2	2.1
IMDG	:	2.1	
IATA	:	2.1	

14.4 Packing group

ADN

Packing group	:	Not assigned by regulation
Classification Code	:	5F
Labels	:	2.1

ADR

Packing group	:	Not assigned by regulation
Classification Code	:	5F
Labels	:	2.1
Tunnel restriction code	:	(D)

RID

Packing group	:	Not assigned by regulation
Classification Code	:	5F
Hazard Identification Number	:	23
Labels	:	2.1

IMDG

Packing group	:	Not assigned by regulation
Labels	:	2.1
EmS Code	:	F-D, S-U

IATA (Cargo)

Packing instruction (cargo aircraft)	:	203
Packing instruction (LQ)	:	Y203
Packing group	:	Not assigned by regulation
Labels	:	Flammable Gas

IATA (Passenger)

Packing instruction (passenger aircraft)	:	203
Packing instruction (LQ)	:	Y203
Packing group	:	Not assigned by regulation
Labels	:	Flammable Gas

14.5 Environmental hazards

ADN

Environmentally hazardous	:	no

ADR
Environmentally hazardous : no

RID
Environmentally hazardous : no

IMDG
Marine pollutant : no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the following entries should be considered: Number on list 75 If you intend to use this product as tattoo ink, please contact your vendor.
REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59) (SVHC).	:	None
Regulation (EU) No 2024/590 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	None

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.	acetone (ANNEX II)
Seveso III: Directive 2012/18/EU of the Euro-	P3a FLAMMABLE AEROSOLS

pean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

18	Liquefied flammable gases (including LPG) and natural gas

Water hazard class (Germany)	:	WGK 1 slightly water endangering
Volatile organic compounds	:	Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control) Not applicable
Volatile organic compounds	:	< 81 % < 650 g/l

Other regulations:

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

SECTION 16: Other information

Full text of H-Statements

H220	:	Extremely flammable gas.
H225	:	Highly flammable liquid and vapor.
H226	:	Flammable liquid and vapor.
H280	:	Contains gas under pressure; may explode if heated.
H304	:	May be fatal if swallowed and enters airways.
H312	:	Harmful in contact with skin.
H315	:	Causes skin irritation.
H319	:	Causes serious eye irritation.
H332	:	Harmful if inhaled.
H335	:	May cause respiratory irritation.
H336	:	May cause drowsiness or dizziness.
H373	:	May cause damage to organs through prolonged or repeated exposure.
EUH066	:	Repeated exposure may cause skin dryness or cracking.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity

Asp. Tox.	:	Aspiration hazard
Eye Irrit.	:	Eye irritation
Flam. Gas	:	Flammable gases
Flam. Liq.	:	Flammable liquids
Press. Gas	:	Gases under pressure
Skin Irrit.	:	Skin irritation
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2019/1831/EU	:	Europe. Commission Directive 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values
DE DFG BAT	:	Germany. MAK BAT Annex XIII
DE DFG MAK	:	Germany. MAK BAT Annex IIa
DE TRGS 527	:	Germany. TRGS 527 - Activities with nanomaterials
DE TRGS 900	:	Germany. TRGS 900 - Occupational exposure limit values.
TRGS 903	:	TRGS 903 - Biological limit values
2000/39/EC / TWA	:	Limit Value - eight hours
2000/39/EC / STEL	:	Short term exposure limit
2019/1831/EU / TWA	:	Limit Value - eight hours
2019/1831/EU / STEL	:	Short term exposure limit
DE DFG MAK / MAK	:	MAK value
DE TRGS 527 / BM	:	Assessment scale
DE TRGS 900 / AGW	:	Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information	:	No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC. Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.
Sources of key data used to compile the Material Safety Data Sheet	:	ECHA WebSite ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs. Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation.

2014 ACGIH, Cincinnati OH
NIOSH - Registry of toxic effects of chemical substances
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX'S - Dangerous properties of industrial materials
GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)
Toxnet - Toxicology Data Network

Classification of the mixture:		**Classification procedure:**
Aerosol 1	H222, H229	Calculation method
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.
Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly.

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