

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/11/2019

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1 Identification

- **Product identifier**
- **Trade name:** MONTANA GLASS
- **Article number:** 482977, 482984, 482991, 483035, 483059, 483103, 483110, 483127, 483134
- **Application of the substance / the mixture** Lacquer
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
MONTANA CANS
Häusserstr. 36
D-69115 Heidelberg
Tel. +49-6221-36333-30
Fax +49-6221-36333-33
info@montana-cans.de
www.montana-cans.com
- **Information department:** Department Product Safety
- **Emergency telephone number:**
Tel.: +49 6266-75-310
Fax +49 6266-75-362
(Mo - Th 08:00 am - 04:00 pm, Fr 08:00 am - 00:30 pm)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**



· **Signal word** *Danger*

· **Hazard-determining components of labeling:**

*ethyl acetate
titanium dioxide
acetone
Hydrocarbons, C9, aromatics*

· **Hazard statements**

*H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H336 May cause drowsiness or dizziness.*

· **Precautionary statements**

*P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P260 Do not breathe spray.
P280 Wear protective gloves / eye protection.
P285 In case of inadequate ventilation wear respiratory protection.
P302+P352 If on skin: Wash with plenty of soap and water.
P312 Call a poison center/doctor if you feel unwell.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 115-10-6	dimethyl ether	12.5- <20%
EINECS: 204-065-8	Flam. Gas 1, H220	
Index number: 603-019-00-8	Press. Gas, H280	

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		(Contd. of page 2)
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5	ethyl acetate ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	12.5-<20%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8	acetone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	5-<10%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane ⚠ Flam. Gas 1, H220 ⚠ Press. Gas, H280	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane ⚠ Flam. Gas 1, H220 ⚠ Press. Gas, H280	5-<10%
CAS: 64742-95-6 EC number: 918-668-5	Hydrocarbons, C9, aromatics ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ STOT SE 3, H335-H336	2.5-<5%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide ⚠ Carc. 2, H351	2.5-<5%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	2.5-<5%
CAS: 1330-20-7 EC number: 905-588-0 Index number: 601-022-00-9	xylene ⚠ Flam. Liq. 3, H226 ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	2.5-<5%
CAS: 9004-70-0	cellulose nitrate ⚠ Flam. Sol. 1, H228	2.5-<5%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0	isobutane ⚠ Flam. Gas 1, H220 ⚠ Press. Gas, H280	<2.5%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0	propan-2-ol ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	<2.5%

Additional information:

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex 1A 1272/2008 EU), so the classification as carcinogen need not to apply.
Xylol: Enthält Ethylbenzol CAS 100-41-4

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

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5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters -**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

115-10-6	dimethyl ether	3,000 ppm
141-78-6	ethyl acetate	1,200 ppm
67-64-1	acetone	200 ppm
74-98-6	propane	5500* ppm
106-97-8	butane	5500* ppm
13463-67-7	titanium dioxide	30 mg/m ³
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
75-28-5	isobutane	5500* ppm
103-23-1	Di-(2-ethylhexyl) adipate	17 mg/m ³
67-63-0	propan-2-ol	400 ppm
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³
9002-88-4	Polyethylene low density	16 mg/m ³
123-86-4	n-butyl acetate	5 ppm
85-44-9	phthalic anhydride	18 mg/m ³
14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³
70657-70-4	2-methoxypropyl acetate	50 ppm
100-42-5	styrene	20 ppm
111-66-0	oct-1-ene	40 ppm

· **PAC-2:**

115-10-6	dimethyl ether	3800* ppm
141-78-6	ethyl acetate	1,700 ppm
67-64-1	acetone	3200* ppm
74-98-6	propane	17000** ppm
106-97-8	butane	17000** ppm

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13463-67-7	titanium dioxide	330 mg/m ³
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
75-28-5	isobutane	17000** ppm
103-23-1	Di-(2-ethylhexyl) adipate	180 mg/m ³
67-63-0	propan-2-ol	2000* ppm
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³
9002-88-4	Polyethylene low density	170 mg/m ³
123-86-4	n-butyl acetate	200 ppm
85-44-9	phthalic anhydride	56 mg/m ³
14808-60-7	Quartz (SiO ₂)	33 mg/m ³
70657-70-4	2-methoxypropyl acetate	1,000 ppm
100-42-5	styrene	130 ppm
111-66-0	oct-1-ene	800* ppm

· PAC-3:

115-10-6	dimethyl ether	7200* ppm
141-78-6	ethyl acetate	10000** ppm
67-64-1	acetone	5700* ppm
74-98-6	propane	33000*** ppm
106-97-8	butane	53000*** ppm
13463-67-7	titanium dioxide	2,000 mg/m ³
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
75-28-5	isobutane	53000*** ppm
103-23-1	Di-(2-ethylhexyl) adipate	1,100 mg/m ³
67-63-0	propan-2-ol	12000** ppm
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³
9002-88-4	Polyethylene low density	1,000 mg/m ³
123-86-4	n-butyl acetate	3000* ppm
85-44-9	phthalic anhydride	10,000 mg/m ³
14808-60-7	Quartz (SiO ₂)	200 mg/m ³
70657-70-4	2-methoxypropyl acetate	5,000 ppm
100-42-5	styrene	1100* ppm
111-66-0	oct-1-ene	2000* ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 2 B

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· **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

115-10-6 dimethyl ether

WEEL Long-term value: 1000 ppm

141-78-6 ethyl acetate

PEL Long-term value: 1400 mg/m³, 400 ppm

REL Long-term value: 1400 mg/m³, 400 ppm

TLV Long-term value: 1440 mg/m³, 400 ppm

67-64-1 acetone

PEL Long-term value: 2400 mg/m³, 1000 ppm

REL Long-term value: 590 mg/m³, 250 ppm

TLV Short-term value: 1187 mg/m³, 500 ppm

Long-term value: 594 mg/m³, 250 ppm

BEI

74-98-6 propane

PEL Long-term value: 1800 mg/m³, 1000 ppm

REL Long-term value: 1800 mg/m³, 1000 ppm

TLV refer to Appendix F in TLVs & BEIs book; D, EX

106-97-8 butane

REL Long-term value: 1900 mg/m³, 800 ppm

TLV Short-term value: 2370 mg/m³, 1000 ppm

(EX)

108-65-6 2-methoxy-1-methylethyl acetate

WEEL Long-term value: 50 ppm

1330-20-7 xylene

PEL Long-term value: 435 mg/m³, 100 ppm

REL Short-term value: 655 mg/m³, 150 ppm

Long-term value: 435 mg/m³, 100 ppm

TLV Short-term value: 651 mg/m³, 150 ppm

Long-term value: 434 mg/m³, 100 ppm

BEI

75-28-5 isobutane

TLV Short-term value: 2370 mg/m³, 1000 ppm

(EX)

67-63-0 propan-2-ol

PEL Long-term value: 980 mg/m³, 400 ppm

REL Short-term value: 1225 mg/m³, 500 ppm

Long-term value: 980 mg/m³, 400 ppm

TLV Short-term value: 984 mg/m³, 400 ppm

Long-term value: 492 mg/m³, 200 ppm

BEI

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· Ingredients with biological limit values:

67-64-1 acetone

BEI 50 mg/L
Medium: urine
Time: end of shift
Parameter: Acetone (nonspecific)

1330-20-7 xylene

BEI 1.5 g/g creatinine
Medium: urine
Time: end of shift
Parameter: Methylhippuric acids

67-63-0 propan-2-ol

BEI 40 mg/L
Medium: urine
Time: end of shift at end of workweek
Parameter: Acetone (background, nonspecific)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Avoid contact with the eyes.

· **Breathing equipment:**

Not necessary if room is well-ventilated.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**

In case of contact with spray dust protective gloves made of butyl should be used (min. 0.4 mm thick), e.g. KCL Camatril, article no. 898 or similar products
Solvent resistant gloves
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:
Acetone: 480 min
Butyl acetate: 60 min
Ethyl acetate: 170 min
Xylene: 42 min

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The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· **Form:** Aerosol
 · **Color:** According to product specification
 · **Odor:** Characteristic
 · **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

· **Melting point/Melting range:** Undetermined.
 · **Boiling point/Boiling range:** Not applicable, as aerosol.

· **Flash point:** Not applicable, as aerosol.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 240 °C (464 °F)

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Not determined.

· **Explosion limits:**

· **Lower:** 2.1 Vol %
 · **Upper:** 26.2 Vol %

· **Vapor pressure at 20 °C (68 °F):** 4000 hPa (3000.2 mm Hg)

· **Density at 20 °C (68 °F):** 0.8 g/cm³ (6.7 lbs/gal)

· **Relative density:** Not determined.

· **Vapor density:** Not determined.

· **Evaporation rate:** Not applicable.

· **Solubility in / Miscibility with**

· **Water:** Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

· **Dynamic:** Not determined.
 · **Kinematic:** Not determined.

· **Solvent content:**

· **Organic solvents:** 75.3 %
 · **Water:** 0.2 %
 · **VOC content:** 604.0 g/l / 5.04 lb/gal

· **Solids content:** 19.4 %

· **Other information:** No further relevant information available.

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10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

141-78-6 ethyl acetate

Oral	LD50	>18000 mg/kg (rab)
Dermal	LD50	5620 mg/kg (rat)
Inhalative	LC50 / 4 h	1600 mg/m ³ (rat)

67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	>15800 mg/kg (rabbit)
Inhalative	LC50 / 4h	76 mg/l (rat)

64742-95-6 Hydrocarbons, C9, aromatics

Oral	LD50	3592 mg/kg (rat)
Dermal	LD50	3160 mg/kg (rabbit)

108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8530 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>10000 mg/m ³ (rat)

1330-20-7 xylene

Oral	LD50	3523 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	29000 mg/m ³ (rat)

67-63-0 propan-2-ol

Oral	LD50	5840 mg/kg (rat)
Dermal	LD50	13900 mg/kg (rabbit)
Inhalative	LC50	>25 mg/l (rat) LC 50: 6h

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
Vapors have narcotic effect.
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

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· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

13463-67-7	titanium dioxide	2B
1330-20-7	xylene	3
103-23-1	Di-(2-ethylhexyl) adipate	3
67-63-0	propan-2-ol	3
7631-86-9	silicon dioxide, chemically prepared	3
9002-88-4	Polyethylene low density	3
14808-60-7	Quartz (SiO ₂)	1
100-42-5	styrene	2B

· **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO ₂)	K
100-42-5	styrene	R

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

115-10-6 dimethyl ether

EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (fish)

67-64-1 acetone

LC50/96h	8300 mg/l (fish)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))

64742-95-6 Hydrocarbons, C9, aromatics

EC50 / 48 h	3.2 mg/l (Daphnia magna)
EC50 / 72 h	2.75 mg/l (Pseudokirchneriella Subcapitata)
EC50 / 96 h	9.2 mg/l (Regenbogenforelle)

108-65-6 2-methoxy-1-methylethyl acetate

EC50 / 48 h	>500 mg/l (daphnia magna)
LC50 / 96 h	100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)

1330-20-7 xylene

EC50 / 48 h	7.4 mg/l (daphnia magna)
LC50 / 96 h	13.5 mg/l (fish)

67-63-0 propan-2-ol

LC50/96h	9640 mg/l (pimephales promelas; 96h)
LC50 / 24 h	9714 mg/l (daphnia magna)

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

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- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:**
Disposal must be made according to official regulations.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
Buildup of explosive mixtures possible without sufficient ventilation.

14 Transport information

· UN-Number	UN1950
· DOT, IMDG, IATA	
· UN proper shipping name	Aerosols, flammable
· DOT	AEROSOLS
· IMDG	AEROSOLS
· IATA	AEROSOLS, flammable
· Transport hazard class(es)	
· DOT	
	
· Class	2.1
· Label	2.1
· IMDG, IATA	
	
· Class	2.1
· Label	2.1
· Packing group	
· DOT, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Gases
· Danger code (Kemler):	-

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- **EMS Number:** *F-D,S-U*
- **Stowage Code** *SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre:
Category A. For AEROSOLS with a capacity above 1 litre:
Category B. For WASTE AEROSOLS: Category C, Clear of
living quarters.*
- **Segregation Code** *SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1 except
for division 1.4.
For AEROSOLS with a capacity above 1 litre:
Segregation as for the appropriate subdivision of class 2.
For WASTE AEROSOLS:
Segregation as for the appropriate subdivision of class 2.*
- **Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code** *Not applicable.*
- **Transport/Additional information:**
- **DOT**
- **Quantity limitations** *On passenger aircraft/rail: 75 kg
On cargo aircraft only: 150 kg*
- **IMDG**
- **Limited quantities (LQ)** *1L*
- **Excepted quantities (EQ)** *Code: E0
Not permitted as Excepted Quantity*
- **UN "Model Regulation":** *UN 1950 AEROSOLS, 2.1*

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

1330-20-7	<i>xylene</i>
103-23-1	<i>Di-(2-ethylhexyl) adipate</i>
67-63-0	<i>propan-2-ol</i>
85-44-9	<i>phthalic anhydride</i>
100-42-5	<i>styrene</i>

· **TSCA (Toxic Substances Control Act):**

7732-18-5	<i>water, distilled, conductivity or of similar purity</i>	ACTIVE
115-10-6	<i>dimethyl ether</i>	ACTIVE
141-78-6	<i>ethyl acetate</i>	ACTIVE
67-64-1	<i>acetone</i>	ACTIVE
74-98-6	<i>propane</i>	ACTIVE
106-97-8	<i>butane</i>	ACTIVE
64742-95-6	<i>Hydrocarbons, C9, aromatics</i>	ACTIVE
13463-67-7	<i>titanium dioxide</i>	ACTIVE
108-65-6	<i>2-methoxy-1-methylethyl acetate</i>	ACTIVE
1330-20-7	<i>xylene</i>	ACTIVE
9004-70-0	<i>cellulose nitrate</i>	ACTIVE

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75-28-5	isobutane	ACTIVE
	C.I. Pigment Blue 15:4 Kupfer-Phthalocyanin-Pigment	*
103-23-1	Di-(2-ethylhexyl) adipate	ACTIVE
67-63-0	propan-2-ol	ACTIVE
7631-86-9	silicon dioxide, chemically prepared	ACTIVE
9002-88-4	Polyethylene low density	ACTIVE
	mixture of: N,N'-ethane-1,2-diylbis(hexanamide); 12-hydroxy-N-[2-[(1-oxihexyl) amino]ethyl]octadecanamide; N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)	*
123-86-4	n-butyl acetate	ACTIVE
92797-60-9	Silan, Trimethoxyoctyl- Hydrolyseprodukt mit Siliciumdioxid	ACTIVE
85-44-9	phthalic anhydride	ACTIVE
64742-95-6	Solvent naphtha (petroleum), light arom.	ACTIVE
147900-93-4	fatty acids	ACTIVE
64742-82-1	naphtha (petroleum), hydrodesulphurized heavy	ACTIVE
85711-55-3	Fatty acids, tall-oil, compds. with oleylamine	ACTIVE
14808-60-7	Quartz (SiO ₂)	ACTIVE
70657-70-4	2-methoxypropyl acetate	*
100-42-5	styrene	ACTIVE
111-66-0	oct-1-ene	ACTIVE

· **Hazardous Air Pollutants**

85-44-9	phthalic anhydride
100-42-5	styrene

· **Proposition 65**· **Chemicals known to cause cancer:**

13463-67-7	titanium dioxide
14808-60-7	Quartz (SiO ₂)
100-42-5	styrene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
1330-20-7	xylene	I
103-23-1	Di-(2-ethylhexyl) adipate	C

· **TLV (Threshold Limit Value established by ACGIH)**

67-64-1	acetone	A4
13463-67-7	titanium dioxide	A4
1330-20-7	xylene	A4
67-63-0	propan-2-ol	A4
85-44-9	phthalic anhydride	A4

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14808-60-7	Quartz (SiO ₂)	A2
100-42-5	styrene	A4
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
13463-67-7	titanium dioxide	
14808-60-7	Quartz (SiO ₂)	

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapor.
- H226 Flammable liquid and vapor.
- H228 Flammable solid.
- 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.
- H351 Suspected of causing cancer.

· **Date of preparation / last revision** 12/11/2019 / -

· **Abbreviations and acronyms:**

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- BEI: Biological Exposure Limit
- Flam. Gas 1: Flammable gases – Category 1
- Flam. Aerosol 1: Aerosols – Category 1
- Press. Gas: Gases under pressure – Compressed gas
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Flam. Sol. 1: Flammable solids – Category 1
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- Carc. 2: Carcinogenicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**

USA