

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/24/2020

Reviewed on 06/25/2020

1 Identification

- **Product identifier**
- **Trade name:** MONTANA WHITEOUT
- **Article number:** 416200
- **Application of the substance / the mixture** Knife filler/ Surfacer
- **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**



GHS02 GHS04 GHS07 GHS08

· **Signal word** *Danger*

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

acetone

titanium dioxide

2-methoxy-1-methylethyl acetate

· **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)**



Health = 2

Fire = 4

Reactivity = 3

· **HMIS-ratings (scale 0 - 4)**



Health = 2

Fire = 4

Reactivity = 3

· **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: 67-64-1	acetone	25-<50%
EINECS: 200-662-2	Flam. Liq. 2, H225	
Index number: 606-001-00-8	Eye Irrit. 2A, H319; STOT SE 3, H336	

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		(Contd. of page 2)
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8	dimethyl ether ⚠ Press. Gas, H280	12.5-<20%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide ⚠ Carc. 2, H351	10-<12.5%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane ⚠ Press. Gas, H280	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane ⚠ Press. Gas, H280	2.5-<5%
CAS: 7727-43-7 EINECS: 231-784-4	barium sulphate, natural	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%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0	isobutane ⚠ Press. Gas, H280	<2.5%
CAS: 4394-85-8 EINECS: 224-518-3	4-morpholinecarbaldehyde ⚠ Skin Sens. 1, H317	≤0.5%

Additional information:

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex IA 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.

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 -**

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· **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:**

67-64-1	acetone	200 ppm
115-10-6	dimethyl ether	3,000 ppm
13463-67-7	titanium dioxide	30 mg/m ³
74-98-6	propane	5500* ppm
106-97-8	butane	5500* ppm
7727-43-7	barium sulphate, natural	15 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
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³
123-86-4	n-butyl acetate	5 ppm
80-62-6	methyl methacrylate	17 ppm
97-88-1	n-butyl methacrylate	19 mg/m ³
71-36-3	butan-1-ol	60 ppm
14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³
70657-70-4	2-methoxypropyl acetate	50 ppm
7447-41-8	lithium chloride	2.3 mg/m ³

· **PAC-2:**

67-64-1	acetone	3200* ppm
115-10-6	dimethyl ether	3800* ppm
13463-67-7	titanium dioxide	330 mg/m ³
74-98-6	propane	17000** ppm
106-97-8	butane	17000** ppm
7727-43-7	barium sulphate, natural	170 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
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³
123-86-4	n-butyl acetate	200 ppm
80-62-6	methyl methacrylate	120 ppm
97-88-1	n-butyl methacrylate	210 mg/m ³
71-36-3	butan-1-ol	800 ppm

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14808-60-7	Quartz (SiO ₂)	33 mg/m ³
70657-70-4	2-methoxypropyl acetate	1,000 ppm
7447-41-8	lithium chloride	25 mg/m ³
· PAC-3:		
67-64-1	acetone	5700* ppm
115-10-6	dimethyl ether	7200* ppm
13463-67-7	titanium dioxide	2,000 mg/m ³
74-98-6	propane	33000*** ppm
106-97-8	butane	53000*** ppm
7727-43-7	barium sulphate, natural	990 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
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³
123-86-4	n-butyl acetate	3000* ppm
80-62-6	methyl methacrylate	570 ppm
97-88-1	n-butyl methacrylate	1,300 mg/m ³
71-36-3	butan-1-ol	8000** ppm
14808-60-7	Quartz (SiO ₂)	200 mg/m ³
70657-70-4	2-methoxypropyl acetate	5,000 ppm
7447-41-8	lithium chloride	150 mg/m ³

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

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:**67-64-1 acetone**

PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 1187 mg/m ³ , 500 ppm Long-term value: 594 mg/m ³ , 250 ppm
BEI	

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115-10-6 dimethyl ether

WEEL Long-term value: 1000 ppm

74-98-6 propanePEL Long-term value: 1800 mg/m³, 1000 ppmREL Long-term value: 1800 mg/m³, 1000 ppm

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

106-97-8 butaneREL Long-term value: 1900 mg/m³, 800 ppmTLV Short-term value: 2370 mg/m³, 1000 ppm
(EX)**7727-43-7 barium sulphate, natural**PEL Long-term value: 15* 5** mg/m³
*total dust **respirable fractionREL Long-term value: 10* 5** mg/m³
*total dust **respirable fractionTLV Long-term value: 5* mg/m³
*inhalable fraction; E**108-65-6 2-methoxy-1-methylethyl acetate**

WEEL Long-term value: 50 ppm

1330-20-7 xylenePEL Long-term value: 435 mg/m³, 100 ppmREL Short-term value: 655 mg/m³, 150 ppm
Long-term value: 435 mg/m³, 100 ppmTLV 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)**· 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

· 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.

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· Breathing equipment:

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.

Filter A2/P3

· Protection of hands:

Protective gloves

· 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.

· 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

Butyl rubber gloves with a thickness of 0.4 mm are solvent resistant for 42- 480 minutes. As protective measure, we recommend that users and responsible persons for work safety assume solvent resistance length of 42 minutes. Considering the data in section 3 of this SDS, one can assume longer resistance length in particular cases.

· 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:**

2.6 Vol %

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Upper:	26.2 Vol %
· Vapor pressure at 20 °C (68 °F):	4000 hPa (3000.2 mm Hg)
· Density at 20 °C (68 °F):	0.9 g/cm ³ (7.5 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:	71.3 %
VOC content:	514.0 g/l / 4.29 lb/gal
· Solids content:	25.4 %
· Other information	No further relevant information available.

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:**

67-64-1 acetone		
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	>15800 mg/kg (rabbit)
Inhalative	LC50 / 4h	76 mg/l (rat)
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)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

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· Additional toxicological information:

Vapors have narcotic effect.

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· 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
7631-86-9	silicon dioxide, chemically prepared	3
80-62-6	methyl methacrylate	3
14808-60-7	Quartz (SiO ₂)	1

· NTP (National Toxicology Program)

14808-60-7	Quartz (SiO ₂)	K
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· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information**· Toxicity****· Aquatic toxicity:**

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))
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)
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)

· 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.**· 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.

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· **Other adverse effects** No further relevant information available.

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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, flammable
· IATA	
· 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
· Hazard identification number (Kemler code):	-
· 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.

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	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):		
7727-43-7	barium sulphate, natural	
1330-20-7	xylene	
103-23-1	Di-(2-ethylhexyl) adipate	
80-62-6	methyl methacrylate	
71-36-3	butan-1-ol	
· TSCA (Toxic Substances Control Act):		
67-64-1	acetone	ACTIVE
115-10-6	dimethyl ether	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
74-98-6	propane	ACTIVE
106-97-8	butane	ACTIVE
7727-43-7	barium sulphate, natural	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
1330-20-7	xylene	ACTIVE
75-28-5	isobutane	ACTIVE
103-23-1	Di-(2-ethylhexyl) adipate	ACTIVE
7631-86-9	silicon dioxide, chemically prepared	ACTIVE
4394-85-8	4-morpholinecarbaldehyde	ACTIVE
123-86-4	n-butyl acetate	ACTIVE
8002-74-2	Paraffin waxes and Hydrocarbon waxes	ACTIVE
68953-58-2	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite	ACTIVE
64742-95-6	Solvent naphtha (petroleum), light arom.	ACTIVE
147900-93-4	fatty acids	ACTIVE

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80-62-6	methyl methacrylate	ACTIVE
97-88-1	n-butyl methacrylate	ACTIVE
64742-60-5	Hydrocarbon waxes (petroleum)	ACTIVE
71-36-3	butan-1-ol	ACTIVE
98171-53-0	Butansäure, 4-Amino-4-oxosulfo-, N-Kokos-alkylderivate, Mononatriumsalze, Verbindungen mit Triethanolamin	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	*
7447-41-8	lithium chloride	ACTIVE

· **Hazardous Air Pollutants**

80-62-6	methyl methacrylate	
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· **Proposition 65**· **Chemicals known to cause cancer:**

13463-67-7	titanium dioxide	
14808-60-7	Quartz (SiO ₂)	

· **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
7727-43-7	barium sulphate, natural	D, CBD(inh), NL(oral)
1330-20-7	xylene	I
103-23-1	Di-(2-ethylhexyl) adipate	C
80-62-6	methyl methacrylate	E, NL
71-36-3	butan-1-ol	D

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

67-64-1	acetone	A4
13463-67-7	titanium dioxide	A4
1330-20-7	xylene	A4
80-62-6	methyl methacrylate	A4
14808-60-7	Quartz (SiO ₂)	A2

· **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.

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· **Relevant phrases**

- H225 Highly flammable liquid and vapor.
- H226 Flammable liquid and vapor.
- H280 Contains gas under pressure; may explode if heated.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.

· **Date of preparation / last revision** 07/24/2020 / 8

· **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. 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
- 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
- Skin Sens. 1: Skin sensitisation – Category 1
- Carc. 2: Carcinogenicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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

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