

# Safety Data Sheet

acc. to OSHA HCS

Printing date 11/16/2022

Reviewed on 11/16/2022

## 1 Identification

- **Product identifier**
- **Trade name:** *MONTANA GOLD USA Colors*
- **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.com  
 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*

*Flammable Aerosols 1*

*H222 Extremely flammable aerosol.*



*GHS04 Gas cylinder*

*Gases under Pressure - Compressed gas*

*H280 Contains gas under pressure; may explode if heated.*



*GHS08 Health hazard*

*Carcinogenicity 2*

*H351 Suspected of causing cancer. Route of exposure: Inhalation.*



*GHS07*

*Eye Irritation 2A*

*H319 Causes serious eye irritation.*

*Specific Target Organ Toxicity - Single Exposure 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:**

*ethyl acetate  
titanium dioxide  
acetone  
Carbon black*

· **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. Route of exposure: Inhalation.  
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 = 0

· **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = 2
FIRE	4	Fire = 4
REACTIVITY	3	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: 115-10-6	dimethyl ether	20-<25%
EINECS: 204-065-8	⚠ Flammable Gases 1, H220	
Index number: 603-019-00-8	⚠ Gases under Pressure - Compressed gas, H280	

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CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5	ethyl acetate ⚠ Flammable Liquids 2, H225 ⚠ Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	12.5-<20%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8	acetone ⚠ Flammable Liquids 2, H225 ⚠ Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	5-<10%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane ⚠ Flammable Gases 1, H220 ⚠ Gases under Pressure - Compressed gas, H280	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane (containing < 0,1 % butadiene (203-450-8)) ⚠ Flammable Gases 1, H220 ⚠ Gases under Pressure - Compressed gas, H280	5-<10%
CAS: 79-20-9 EINECS: 201-185-2 Index number: 607-021-00-X	methyl acetate ⚠ Flammable Liquids 2, H225 ⚠ Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	5-<10%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide ⚠ Carcinogenicity 2, H351	2.5-<5%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate ⚠ Flammable Liquids 3, H226 ⚠ Specific Target Organ Toxicity - Single Exposure 3, H336	2.5-<5%
CAS: 64742-95-6 EC number: 918-668-5	Hydrocarbons, C9, aromatics ⚠ Flammable Liquids 3, H226 ⚠ Aspiration Hazard 1, H304 ⚠ Specific Target Organ Toxicity - Single Exposure 3, H335-H336	2.5-<5%
CAS: 9004-70-0	cellulose nitrate ⚠ Explosives 1.1, H201	2.5-<5%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0	isobutane (containing < 0,1 % butadiene (203-450-8)) ⚠ Flammable Gases 1, H220 ⚠ Gases under Pressure - Compressed gas, H280	<2.5%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0	propan-2-ol ⚠ Flammable Liquids 2, H225 ⚠ Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	<2.5%
CAS: 1333-86-4 EINECS: 215-609-9	Carbon black ⚠ Carcinogenicity 2, H351	≤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.  
CAS 9004-70-0: CLP Note T

## 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.

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- **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:**  
CO<sub>2</sub>, 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.  
Keep away from ignition sources
- **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 (containing < 0,1 % butadiene (203-450-8))	5500* ppm
79-20-9	methyl acetate	250 ppm
13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
75-28-5	isobutane (containing < 0,1 % butadiene (203-450-8))	5500* ppm
67-63-0	propan-2-ol	400 ppm
1330-20-7	xylene	130 ppm
1309-37-1	diiron trioxide	15 mg/m <sup>3</sup>
7631-86-9	silicon dioxide, chemically prepared	18 mg/m <sup>3</sup>
9002-88-4	Polyethylene low density	16 mg/m <sup>3</sup>
1333-86-4	Carbon black	9 mg/m <sup>3</sup>
123-86-4	n-butyl acetate	5 ppm
85-44-9	phthalic anhydride	18 mg/m <sup>3</sup>
70657-70-4	2-methoxypropyl acetate	50 ppm
108-32-7	propylene carbonate	34 mg/m <sup>3</sup>

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112-53-8	Lauryl alcohol	12 mg/m <sup>3</sup>
111-42-2	2,2'-iminodiethanol	3 mg/m <sup>3</sup>
100-42-5	styrene	20 ppm
111-66-0	oct-1-ene	40 ppm
14808-60-7	Quartz (SiO <sub>2</sub> )	0.075 mg/m <sup>3</sup>

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<b>· PAC-2:</b>		
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 (containing < 0,1 % butadiene (203-450-8))	17000** ppm
79-20-9	methyl acetate	1,700 ppm
13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
75-28-5	isobutane (containing < 0,1 % butadiene (203-450-8))	17000** ppm
67-63-0	propan-2-ol	2000* ppm
1330-20-7	xylene	920* ppm
1309-37-1	diiron trioxide	360 mg/m <sup>3</sup>
7631-86-9	silicon dioxide, chemically prepared	740 mg/m <sup>3</sup>
9002-88-4	Polyethylene low density	170 mg/m <sup>3</sup>
1333-86-4	Carbon black	99 mg/m <sup>3</sup>
123-86-4	n-butyl acetate	200 ppm
85-44-9	phthalic anhydride	56 mg/m <sup>3</sup>
70657-70-4	2-methoxypropyl acetate	1,000 ppm
108-32-7	propylene carbonate	370 mg/m <sup>3</sup>
112-53-8	Lauryl alcohol	140 mg/m <sup>3</sup>
111-42-2	2,2'-iminodiethanol	28 mg/m <sup>3</sup>
100-42-5	styrene	130 ppm
111-66-0	oct-1-ene	800* ppm
14808-60-7	Quartz (SiO <sub>2</sub> )	33 mg/m <sup>3</sup>

<b>· PAC-3:</b>		
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 (containing < 0,1 % butadiene (203-450-8))	53000*** ppm
79-20-9	methyl acetate	10000* ppm
13463-67-7	titanium dioxide	2,000 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
75-28-5	isobutane (containing < 0,1 % butadiene (203-450-8))	53000*** ppm
67-63-0	propan-2-ol	12000** ppm
1330-20-7	xylene	2500* ppm
1309-37-1	diiron trioxide	2,200 mg/m <sup>3</sup>
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m <sup>3</sup>
9002-88-4	Polyethylene low density	1,000 mg/m <sup>3</sup>
1333-86-4	Carbon black	590 mg/m <sup>3</sup>

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123-86-4	<i>n</i> -butyl acetate	3000* ppm
85-44-9	phthalic anhydride	10,000 mg/m <sup>3</sup>
70657-70-4	2-methoxypropyl acetate	5,000 ppm
108-32-7	propylene carbonate	2,200 mg/m <sup>3</sup>
112-53-8	Lauryl alcohol	820 mg/m <sup>3</sup>
111-42-2	2,2'-iminodiethanol	130 mg/m <sup>3</sup>
100-42-5	styrene	1100* ppm
111-66-0	oct-1-ene	2000* ppm
14808-60-7	Quartz (SiO <sub>2</sub> )	200 mg/m <sup>3</sup>

## 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:**  
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
At this time, the other constituents have no known exposure limits.

### 115-10-6 dimethyl ether

WEEL Long-term value: 1000 ppm

### 141-78-6 ethyl acetate

PEL Long-term value: 1400 mg/m<sup>3</sup>, 400 ppmREL Long-term value: 1400 mg/m<sup>3</sup>, 400 ppm

TLV Long-term value: 400 ppm

### 67-64-1 acetone

PEL Long-term value: 2400 mg/m<sup>3</sup>, 1000 ppmREL Long-term value: 590 mg/m<sup>3</sup>, 250 ppm

TLV Short-term value: 500 ppm

Long-term value: 250 ppm

A4, BEI

### 74-98-6 propane

PEL Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppmREL Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm

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TLV	see Appendix F Minimal oxygen content ( D, EX)
<b>106-97-8 butane (containing &lt; 0,1 % butadiene (203-450-8))</b>	
REL	Long-term value: 1900 mg/m <sup>3</sup> , 800 ppm
TLV	Short-term value: 1000 ppm (EX)
<b>79-20-9 methyl acetate</b>	
PEL	Long-term value: 610 mg/m <sup>3</sup> , 200 ppm
REL	Short-term value: 760 mg/m <sup>3</sup> , 250 ppm Long-term value: 610 mg/m <sup>3</sup> , 200 ppm
TLV	Short-term value: 250 ppm Long-term value: 200 ppm
<b>13463-67-7 titanium dioxide</b>	
PEL	Long-term value: 15* mg/m <sup>3</sup> *total dust
REL	See Pocket Guide App. A
TLV	Long-term value: 0.2* 2.5** mg/m <sup>3</sup> resp. fraction, *nanoscale, **finescale, A3
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>	
WEEL	Long-term value: 50 ppm
<b>75-28-5 isobutane (containing &lt; 0,1 % butadiene (203-450-8))</b>	
TLV	Short-term value: 1000 ppm (EX)
<b>67-63-0 propan-2-ol</b>	
PEL	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV	Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4
<b>1333-86-4 Carbon black</b>	
PEL	Long-term value: 3.5 mg/m <sup>3</sup>
REL	Long-term value: 3.5* mg/m <sup>3</sup> *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m <sup>3</sup> *inhalable fraction, A3
<b>· Ingredients with biological limit values:</b>	
<b>67-64-1 acetone</b>	
BEI	25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
<b>67-63-0 propan-2-ol</b>	
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.

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US

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- **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:**



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:** Mixture is non-soluble (in water).
- **Change in condition**

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

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· <b>Flash point:</b>	Not applicable, as aerosol.
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	240 °C (464 °F)
· <b>Decomposition temperature:</b>	Not determined.
· <b>Danger of explosion:</b>	Not determined.
· <b>Explosion limits:</b>	
<b>Lower:</b>	2.1 Vol %
<b>Upper:</b>	26.2 Vol %
· <b>Vapor pressure at 20 °C (68 °F):</b>	4000 hPa (3000.2 mm Hg)
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	78.1 %
<b>Water:</b>	0.2 %
<b>VOC content:</b>	769.6 g/l / 6.42 lb/gal
<b>Solids content:</b>	21.5 %
· <b>Other information</b>	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:**

### 141-78-6 ethyl acetate

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

### 67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)
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Dermal	LD50	>15800 mg/kg (rabbit)
Inhalative	LC50 / 4h	76 mg/l (rat)
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>		
Oral	LD50	8530 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>10000 mg/m <sup>3</sup> (rat)
<b>64742-95-6 Hydrocarbons, C9, aromatics</b>		
Oral	LD50	>5000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rab) (OECD 402)
<b>67-63-0 propan-2-ol</b>		
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:**

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
67-63-0	propan-2-ol	3
1330-20-7	xylene	3
1309-37-1	diiron trioxide	3
7631-86-9	silicon dioxide, chemically prepared	3
9002-88-4	Polyethylene low density	3
1333-86-4	Carbon black	2B
111-42-2	2,2'-iminodiethanol	2B
100-42-5	styrene	2A
14808-60-7	Quartz (SiO <sub>2</sub> )	1

- **NTP (National Toxicology Program)**

100-42-5	styrene	R
14808-60-7	Quartz (SiO <sub>2</sub> )	K

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

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

<b>115-10-6 dimethyl ether</b>		
EC50 / 96 h	155 mg/l (algae)	
LC50 / 48 h	>4000 mg/l (daphnia magna)	
LC50 / 96 h	>4000 mg/l (fish)	

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**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))

**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)

**64742-95-6 Hydrocarbons, C9, aromatics**

EC50 / 48 h	302 mg/l (daphnia magna)
EC50 / 72 h	2.75 mg/l (Pseudokirchneriella subcapitata)
EC50 / 96 h	9.2 mg/l (Regenbogenforelle)

**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.
- **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.  
Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>DOT, IMDG, IATA</b></li> </ul>   | UN1950   |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>DOT</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul> | Aerosols, flammable<br>AEROSOLS<br>AEROSOLS, flammable |

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· **Transport hazard class(es)**· **DOT**

· **Class** 2.1 Gases  
 · **Label** 2.1

· **IMDG, IATA**

· **Class** 2.1 Gases  
 · **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.  
 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**  
 No further relevant information available.

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## · Sara

## · Section 355 (extremely hazardous substances):

None of the ingredients is listed.

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

67-63-0	propan-2-ol
1330-20-7	xylene
85-44-9	phthalic anhydride
111-42-2	2,2'-iminodiethanol
100-42-5	styrene

## · TSCA (Toxic Substances Control Act):

115-10-6	dimethyl ether	ACTIVE
141-78-6	ethyl acetate	ACTIVE
67-64-1	acetone	ACTIVE
74-98-6	propane	ACTIVE
106-97-8	butane (containing < 0,1 % butadiene (203-450-8))	ACTIVE
79-20-9	methyl acetate	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
64742-95-6	Hydrocarbons, C9, aromatics	ACTIVE
9004-70-0	cellulose nitrate	ACTIVE
75-28-5	isobutane (containing < 0,1 % butadiene (203-450-8))	ACTIVE
67-63-0	propan-2-ol	ACTIVE
147-14-8	phthalocyanine blue	ACTIVE
1330-20-7	xylene	ACTIVE
1309-37-1	diiron trioxide	ACTIVE
7631-86-9	silicon dioxide, chemically prepared	ACTIVE
9002-88-4	Polyethylene low density	ACTIVE
1333-86-4	Carbon black	ACTIVE
7732-18-5	water, distilled, conductivity or of similar purity	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)	*
84632-65-5	C.I. Pigment Red 254	ACTIVE
31837-42-0	Pigment Yellow 151	ACTIVE
5521-31-3	C.I. Pigment Rot 179	ACTIVE
1328-53-6	phthalocyanine green	ACTIVE
68512-13-0	C-I Pigment Grün 36	ACTIVE
1047-16-1	C.I. Pigment Violet 19	ACTIVE
5590-18-1	3,3'-(1,4-phenylenediimino)bis[4,5,6,7-tetrachloro-1H-isoindol-1-one]	ACTIVE
92797-60-9	Silan, Trimethoxyoctyl- Hydrolyseprodukt mit Siliciumdioxid	ACTIVE
4424-06-0	Pigment Orange 43 (71105)	ACTIVE
123-86-4	n-butyl acetate	ACTIVE

## · Hazardous Air Pollutants

1330-20-7	xylene
85-44-9	phthalic anhydride
111-42-2	2,2'-iminodiethanol

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100-42-5 styrene

· **Proposition 65**

· **Chemicals known to cause cancer:**

13463-67-7 titanium dioxide

1333-86-4 Carbon black

111-42-2 2,2'-iminodiethanol

100-42-5 styrene

14808-60-7 Quartz (SiO<sub>2</sub>)

· **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

· **TLV (Threshold Limit Value)**

67-64-1 acetone

A4

13463-67-7 titanium dioxide

A4

67-63-0 propan-2-ol

A4

1330-20-7 xylene

A4

1309-37-1 diiron trioxide

A4

1333-86-4 Carbon black

A4

85-44-9 phthalic anhydride

A4

111-42-2 2,2'-iminodiethanol

A3

100-42-5 styrene

A4

14808-60-7 Quartz (SiO<sub>2</sub>)

A2

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7 titanium dioxide

1333-86-4 Carbon black

14808-60-7 Quartz (SiO<sub>2</sub>)

· **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**

H201 Explosive; mass explosion hazard.

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.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

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US

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*H351 Suspected of causing cancer.*

· **Contact:**

· **Date of preparation / last revision 11/16/2022**

· **Abbreviations and acronyms:**

*IMDG: International Maritime Code for Dangerous Goods*

*DOT: US Department of Transportation*

*IATA: International Air Transport Association*

*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)*

*HMS: 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*

*ACGIH: American Conference of Governmental Industrial Hygienists*

*Explosives 1.1: Explosives – Division 1.1*

*Flammable Gases 1: Flammable gases – Category 1*

*Flammable Aerosols 1: Aerosols – Category 1*

*Gases under Pressure - Compressed gas: Gases under pressure – Compressed gas*

*Flammable Liquids 2: Flammable liquids – Category 2*

*Flammable Liquids 3: Flammable liquids – Category 3*

*Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A*

*Carcinogenicity 2: Carcinogenicity – Category 2*

*Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3*

*Aspiration Hazard 1: Aspiration hazard – Category 1*