

Safety Data Sheet acc. to OSHA HCS

Printing date 02/02/2022

Reviewed on 02/02/2022

1 Identification

- **Product identifier**
- **Trade name:** MONTANA BLACK Silverchrome, Copperchrome
- **Article number:** 264764, 272073
- **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
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(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.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

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).

- **Hazard pictograms**



GHS02



GHS04



GHS07

- **Signal word** Danger

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

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Hydrocarbons· **Hazard statements**

- H222 Extremely flammable aerosol.
 H280 Contains gas under pressure; may explode if heated.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 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: 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	25-<50%
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	25-<50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane ⚠ Press. Gas, H280	12.5-<20%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane (containing < 0,1 % butadiene (203-450-8)) ⚠ Press. Gas, H280	10-<12.5%
CAS: 7429-90-5 EINECS: 231-072-3 Index number: 013-002-00-1	aluminium powder (stabilised) ⚠ Flam. Sol. 1, H228	5-<10%

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		(Contd. of page 2)
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0	isobutane (containing < 0,1 % butadiene (203-450-8)) ⚠ Press. Gas, H280	2.5-<5%
CAS: 64742-48-9 EC number: 919-857-5	Hydrocarbons ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ 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:** In case of unconsciousness place patient stably in side position for transportation.
- **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 -**
- **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-I:

67-64-1	acetone	200 ppm
1330-20-7	xylene	130 ppm

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74-98-6	propane	5500* ppm
106-97-8	butane (containing < 0,1 % butadiene (203-450-8))	5500* ppm
75-28-5	isobutane (containing < 0,1 % butadiene (203-450-8))	5500* ppm
64742-48-9	Hydrocarbons	350 mg/m ³
97-88-1	n-butyl methacrylate	19 mg/m ³
80-62-6	methyl methacrylate	17 ppm
· PAC-2:		
67-64-1	acetone	3200* ppm
1330-20-7	xylene	920* ppm
74-98-6	propane	17000** ppm
106-97-8	butane (containing < 0,1 % butadiene (203-450-8))	17000** ppm
75-28-5	isobutane (containing < 0,1 % butadiene (203-450-8))	17000** ppm
64742-48-9	Hydrocarbons	1,800 mg/m ³
97-88-1	n-butyl methacrylate	210 mg/m ³
80-62-6	methyl methacrylate	120 ppm
· PAC-3:		
67-64-1	acetone	5700* ppm
1330-20-7	xylene	2500* ppm
74-98-6	propane	33000*** ppm
106-97-8	butane (containing < 0,1 % butadiene (203-450-8))	53000*** ppm
75-28-5	isobutane (containing < 0,1 % butadiene (203-450-8))	53000*** ppm
64742-48-9	Hydrocarbons	40,000 mg/m ³
97-88-1	n-butyl methacrylate	1,300 mg/m ³
80-62-6	methyl methacrylate	570 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
- **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 remaining constituent has no known exposure limits.

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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: 500 ppm
 Long-term value: 250 ppm
 A4, BEI

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: (150) ppm
 Long-term value: (100) NIC-20 ppm
 BEI, A4

74-98-6 propane

PEL Long-term value: 1800 mg/m³, 1000 ppm
 REL Long-term value: 1800 mg/m³, 1000 ppm
 TLV see Appendix F Minimal oxygen content (D, EX)

106-97-8 butane (containing < 0,1 % butadiene (203-450-8))

REL Long-term value: 1900 mg/m³, 800 ppm
 TLV Short-term value: 1000 ppm
 (EX)

7429-90-5 aluminium powder (stabilised)

PEL Long-term value: 15*; 5** mg/m³
 *Total dust; ** Respirable fraction
 REL Long-term value: 10* 5** mg/m³
 as Al*Total dust**Respirable/pyro powd./welding f.
 TLV Long-term value: 1* mg/m³
 as Al; *as respirable fraction, A4

75-28-5 isobutane (containing < 0,1 % butadiene (203-450-8))

TLV Short-term value: 1000 ppm
 (EX)

· Ingredients with biological limit values:

67-64-1 acetone

BEI 25 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.

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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:	Silver-colored
· 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:** 365 °C (689 °F)

· **Decomposition temperature:** Not determined.

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

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· Explosion limits:	
Lower:	1 Vol %
Upper:	13 Vol %
· Vapor pressure at 20 °C (68 °F): 8300 hPa (6225.5 mm Hg)	
· Density at 20 °C (68 °F): 0.8 g/cm ³ (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:	88.7 %
VOC content:	500.0 g/l / 4.17 lb/gal
· Solids content: 11.3 %	
· 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)

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:** Irritant to skin and mucous membranes.
- **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)

1330-20-7	xylene	3
80-62-6	methyl methacrylate	3

· NTP (National Toxicology Program)

None of the ingredients is listed.

· 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))

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 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

· 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: Dispose of packaging according to regulations on the disposal of packagings.

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14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, IMDG, IATA 	<p>UN1950</p>
<ul style="list-style-type: none"> · UN proper shipping name · DOT · IMDG · IATA 	<p>Aerosols, flammable AEROSOLS AEROSOLS, flammable</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	
<ul style="list-style-type: none"> · Class · Label 	<p>2.1 Gases 2.1</p>
<ul style="list-style-type: none"> · IMDG, IATA 	
<ul style="list-style-type: none"> · Class · Label 	<p>2.1 Gases 2.1</p>
<ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA 	<p>not regulated</p>
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	<p>No</p>
<ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Code 	<p>Warning: Gases - F-D,S-U 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.</p>
<ul style="list-style-type: none"> · Segregation Code 	<p>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.</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p>Not applicable.</p>
<ul style="list-style-type: none"> · Transport/Additional information: · DOT · Quantity limitations 	<p>On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg</p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) 	<p>1L</p>

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- | | |
|-----------------------------------|--|
| · 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.

- **Sara**

- **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

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

1330-20-7	xylene
7429-90-5	aluminium powder (stabilised)
80-62-6	methyl methacrylate

- **TSCA (Toxic Substances Control Act):**
All components have the value ACTIVE.

- **Hazardous Air Pollutants**

1330-20-7	xylene
80-62-6	methyl methacrylate

- **Proposition 65**

- **Chemicals known to cause cancer:**
None of the ingredients is listed.

- **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
80-62-6	methyl methacrylate	E, NL

- **TLV (Threshold Limit Value)**

67-64-1	acetone	A4
1330-20-7	xylene	A4
7429-90-5	aluminium powder (stabilised)	A4
80-62-6	methyl methacrylate	A4

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

None of the ingredients is listed.

- **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.
- 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.
- H336 May cause drowsiness or dizziness.

· **Contact:**

· **Date of preparation / last revision** 02/02/2022 / 1

· **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international 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
- 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
- ACGIH: American Conference of Governmental Industrial Hygienists
- 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
- STOT/SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1

US