

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/07/2020

Reviewed on 11/18/2020

1 Identification

- **Product identifier**
- **Trade name:** MONTANA Rust effect 400ml
- **Article number:** 532580, 532573
- **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

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS08 Health hazard

Carc. 1A H350 May cause 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).

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger

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

acetone
ethanol

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n-butyl acetate

2-methoxy-1-methylethyl acetate

• **Hazard statements**

H222 Extremely flammable aerosol.

H319 Causes serious eye irritation.

H350 May cause 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.

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 EINECS: 200-662-2 Index number: 606-001-00-8	acetone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	20-<25%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	<i>n</i> -butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	12.5-<20%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8	dimethyl ether ⚠ Press. Gas, H280	12.5-<20%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane ⚠ Press. Gas, H280	10-<12.5%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane ⚠ Press. Gas, H280	5-<10%
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%

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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 ⚠ Press. Gas, H280	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: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5	ethanol ⚠ Flam. Liq. 2, H225 ⚠ Carc. 1A, H350 ⚠ Eye Irrit. 2A, H319	<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:** Generally the product does not irritate the skin.

· **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.

· **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.

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· Protective Action Criteria for Chemicals

· PAC-1:

67-64-1	acetone	200 ppm
123-86-4	n-butyl acetate	5 ppm
115-10-6	dimethyl ether	3,000 ppm
74-98-6	propane	5500* ppm
106-97-8	butane	5500* ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
75-28-5	isobutane	5500* ppm
64-17-5	ethanol	1,800 ppm
1309-37-1	diiron trioxide	15 mg/m ³
103-23-1	Di-(2-ethylhexyl) adipate	17 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³
67-63-0	propan-2-ol	400 ppm
1333-86-4	Carbon black	9 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	350 mg/m ³
70657-70-4	2-methoxypropyl acetate	50 ppm
14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³
100-42-5	styrene	20 ppm
111-66-0	oct-1-ene	40 ppm

· PAC-2:

67-64-1	acetone	3200* ppm
123-86-4	n-butyl acetate	200 ppm
115-10-6	dimethyl ether	3800* ppm
74-98-6	propane	17000** ppm
106-97-8	butane	17000** ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
75-28-5	isobutane	17000** ppm
64-17-5	ethanol	3300* ppm
1309-37-1	diiron trioxide	360 mg/m ³
103-23-1	Di-(2-ethylhexyl) adipate	180 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³
67-63-0	propan-2-ol	2000* ppm
1333-86-4	Carbon black	99 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	1,800 mg/m ³
70657-70-4	2-methoxypropyl acetate	1,000 ppm
14808-60-7	Quartz (SiO ₂)	33 mg/m ³
100-42-5	styrene	130 ppm
111-66-0	oct-1-ene	800* ppm

· PAC-3:

67-64-1	acetone	5700* ppm
123-86-4	n-butyl acetate	3000* ppm
115-10-6	dimethyl ether	7200* ppm
74-98-6	propane	33000*** ppm
106-97-8	butane	53000*** ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm

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75-28-5	isobutane	53000*** ppm
64-17-5	ethanol	15000* ppm
1309-37-1	diiron trioxide	2,200 mg/m ³
103-23-1	Di-(2-ethylhexyl) adipate	1,100 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³
67-63-0	propan-2-ol	12000** ppm
1333-86-4	Carbon black	590 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	40,000 mg/m ³
70657-70-4	2-methoxypropyl acetate	5,000 ppm
14808-60-7	Quartz (SiO ₂)	200 mg/m ³
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
- **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.

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

123-86-4 n-butyl acetate

PEL	Long-term value: 710 mg/m ³ , 150 ppm
REL	Short-term value: 950 mg/m ³ , 200 ppm
	Long-term value: 710 mg/m ³ , 150 ppm
TLV	Short-term value: 712 mg/m ³ , 150 ppm
	Long-term value: 238 mg/m ³ , 50 ppm

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

WEEL Long-term value: 50 ppm

75-28-5 isobutaneTLV Short-term value: 2370 mg/m³, 1000 ppm
(EX)**1330-20-7 xylene**PEL Long-term value: 435 mg/m³, 100 ppmREL Short-term value: 655 mg/m³, 150 ppmLong-term value: 435 mg/m³, 100 ppmTLV Short-term value: 651 mg/m³, 150 ppmLong-term value: 434 mg/m³, 100 ppm
BEI**64-17-5 ethanol**PEL Long-term value: 1900 mg/m³, 1000 ppmREL Long-term value: 1900 mg/m³, 1000 ppmTLV Short-term value: 1880 mg/m³, 1000 ppm**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.

Store protective clothing separately.

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:**

1.2 Vol %

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· Upper:	26.2 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:	84.3 %
· VOC content:	643.2 g/l / 5.37 lb/gal
· Solids content:	11.8 %
· 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)

123-86-4 n-butyl acetate

Oral	LD50	10800 mg/kg (rat) (OECD 401)
Dermal	LD50	>17600 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>21 mg/m ³ (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)

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Inhalative LC50 / 4 h 29000 mg/m3 (rat)

64-17-5 ethanol

Oral LD50 10470 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rat)

Inhalative LC50 / 4h 120 mg/l (rat)

• **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

• **Carcinogenic categories**• **IARC (International Agency for Research on Cancer)**

9011-14-7	Polymethylmethacrylat	3
1330-20-7	xylene	3
64-17-5	ethanol	1
1309-37-1	diiron trioxide	3
103-23-1	Di-(2-ethylhexyl) adipate	3
7631-86-9	silicon dioxide, chemically prepared	3
67-63-0	propan-2-ol	3
1333-86-4	Carbon black	2B
14808-60-7	Quartz (SiO ₂)	1
100-42-5	styrene	2A

• **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:****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)

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1330-20-7 xylene

EC50 / 48 h 7.4 mg/l (daphnia magna)

LC50 / 96 h 13.5 mg/l (fish)

64-17-5 ethanol

LC50/96h 13000 mg/l (oncorhynchus mykiss / Regenbogenforelle)

EC50 / 48 h 12900 mg/l (algae)

LC50 / 48 h 12340 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:** Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** UN1950
- **UN proper shipping name**
- **DOT** Aerosols, flammable
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **Transport hazard class(es)**
- **DOT**
- **Class** 2.1
- **Label** 2.1



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· **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** 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	xylene
103-23-1	Di-(2-ethylhexyl) adipate
67-63-0	propan-2-ol
7429-90-5	aluminium powder (stabilised)
100-42-5	styrene

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· TSCA (Toxic Substances Control Act):

67-64-1	acetone	ACTIVE
123-86-4	n-butyl acetate	ACTIVE
115-10-6	dimethyl ether	ACTIVE
74-98-6	propane	ACTIVE
106-97-8	butane	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
9004-70-0	cellulose nitrate	ACTIVE
68476-20-0	Fatty acids, vegetable-oil, polymers with glycerol, pentaerythritol and phthalic anhydride	INACTIVE
75-28-5	isobutane	ACTIVE
9011-14-7	Polymethylmethacrylat	ACTIVE
1330-20-7	xylene	ACTIVE
64-17-5	ethanol	ACTIVE
1309-37-1	diiron trioxide	ACTIVE
103-23-1	Di-(2-ethylhexyl) adipate	ACTIVE
7631-86-9	silicon dioxide, chemically prepared	ACTIVE
36888-99-0	2,4,6-(1H,3H,5H)-Pyrimidinetrione,5,5'-(1H-isoindole-1,3(2H)-diylidene)bis-	ACTIVE
67-63-0	propan-2-ol	ACTIVE
7429-90-5	aluminium powder (stabilised)	ACTIVE
64742-95-6	Hydrocarbons, C9, aromatics	ACTIVE
1333-86-4	Carbon black	ACTIVE
64742-82-1	naphtha (petroleum), hydrodesulphurized heavy	ACTIVE
64742-95-6	Solvent naphtha (petroleum), light arom.	ACTIVE
1328-53-6	C.I.Pigment Green 7	ACTIVE
64742-48-9	Naphtha (petroleum), hydrotreated heavy	ACTIVE
8002-74-2	Paraffin waxes and Hydrocarbon waxes	ACTIVE
1302-78-9	bentonite	ACTIVE
64742-60-5	Hydrocarbon waxes (petroleum)	ACTIVE
70657-70-4	2-methoxypropyl acetate	*
14808-60-7	Quartz (SiO ₂)	ACTIVE
100-42-5	styrene	ACTIVE

· Hazardous Air Pollutants

100-42-5	styrene
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· Proposition 65

· Chemicals known to cause cancer:

1333-86-4	Carbon black
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:

64-17-5	ethanol
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· **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
1330-20-7	xylene	A4
64-17-5	ethanol	A3
1309-37-1	diiron trioxide	A4
67-63-0	propan-2-ol	A4
7429-90-5	aluminium powder (stabilised)	A4
1333-86-4	Carbon black	A4
14808-60-7	Quartz (SiO ₂)	A2
100-42-5	styrene	A4

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

1333-86-4	Carbon black
14808-60-7	Quartz (SiO ₂)

· **National regulations:**· **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· **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**

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H228 Flammable solid.
H280 Contains gas under pressure; may explode if heated.
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.
H350 May cause cancer.

· **Date of preparation / last revision** 12/07/2020 / -· **Abbreviations and acronyms:**

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

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USA

Safety Data Sheet

MSDS for #01450 - MONTANA EFFECT SPRAY acc. to OSHA HCS

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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
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. 1A: Carcinogenicity – Category 1A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

USA