

Safety data sheet

According to 91/155 EEC

Printing date 24.03.2015

Version number 1

Revision: 24.03.2015

Hazardous according to criteria of Australian Safety and Compensation Council

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Montana Crackle Spray 400ml
- **Article number:** 415440, 415457, 415464, 415471, 415488, 415495
- **Application of the substance / the mixture** Lacquer
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
MONTANA CANS
Häusserstr. 36
D-69115 Heidelberg
Tel. +49-6221-36333-30
Fax +49-6221-36333-33
info@montana-cans.de
www.montana-cans.com
- **Further information obtainable from:** 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 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 RTECS: PM 4780000 Reg.nr.: 01-2119472128-37	dimethyl ether F+ R12 Flam. Gas 1, H220; Press. Gas C, H280	25-<50%
CAS: 71-41-0 EINECS: 200-752-1 Index number: 603-200-00-1 RTECS: SB 9800000	1-pentanol Xn R20; Xi R37/38 R10 Flam. Liq. 3, H226; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	25-<50%
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 RTECS: AH 5425000 Reg.nr.: 01-2119475103-46	ethyl acetate Xi R36; F R11 R66-67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	12.5-<20%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate R10 Flam. Liq. 3, H226	5-<10%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons Xn R65; Xi R37; N R51/53 R10-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H335-H336	≤0.5%

· **Additional information:**

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex I 67/548 EU), so the classification as carcinogen need not to apply.

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For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

· **Classification of the substance or mixture**



flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335	May cause respiratory irritation.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xn; Harmful

R20: Harmful by inhalation.

Xi; Irritant

R37/38: Irritating to respiratory system and skin.

F+; Extremely flammable

R12: Extremely flammable.

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurised container.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **Label elements**

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word Danger**

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

1-pentanol

· **Hazard statements**

Extremely flammable aerosol. Pressurised container: May burst if heated.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

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Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Do not breathe spray.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Dispose of contents / container in accordance with regional regulations.

· Information concerning particular hazards for human and environment:

· Safety phrases:

1/2 *Keep locked up and out of the reach of children.*

16 *Keep away from sources of ignition - No smoking.*

23 *Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).*

24/25 *Avoid contact with skin and eyes.*

29/56 *Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.*

46 *If swallowed, seek medical advice immediately and show this container or label.*

51 *Use only in well-ventilated areas.*

4 First aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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. Then consult a doctor.*

· After swallowing: *Drink plenty of water and provide fresh air. Call for a doctor immediately.*

5 Firefighting measures

· Suitable extinguishing agents:

CO₂, bluspoeder of waterstraal. Grottere brand met waterstraal of met schuim.

Vaten met water afkoelen.

· For safety reasons unsuitable extinguishing agents: *Water with full jet*

· Special hazards arising from the substance or mixture *No further relevant information available.*

· Protective equipment: *Mouth respiratory protective device.*

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions: *Do not allow product to reach sewage system or any water course.*

· 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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7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **Storage class:** 2B
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

- **Ingredients with limit values that require monitoring at the workplace:**

115-10-6 dimethyl ether

NES	Short-term value: 950 mg/m ³ , 500 ppm
	Long-term value: 760 mg/m ³ , 400 ppm

141-78-6 ethyl acetate

NES	Short-term value: 1440 mg/m ³ , 400 ppm
	Long-term value: 720 mg/m ³ , 200 ppm

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

NES	Short-term value: 548 mg/m ³ , 100 ppm
	Long-term value: 274 mg/m ³ , 50 ppm
	Sk

- **Additional information:** The lists valid during the making were used as basis.
- **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.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Not necessary if room is well-ventilated.
Otherwise, filter class A / P2 or self contained.
- **Protection of hands:**



Protective gloves

Solvent resistant gloves

In case of contact with spray dust protective gloves made of butyl should be used (min. 0.4 mm thick), e.g. KCL Camatril, article no. 898 or similar products

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

· **Material of gloves** Butyl rubber, BR

· **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

· **Eye protection:** Safety glasses

9 Physical and chemical properties

· **General Information**

· **Appearance:**

Form: Aerosol

Colour: Various colours

· **Odour:** Characteristic

· **Odour 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:** 235 °C

· **Decomposition temperature:** Not determined.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** In use, may form flammable/explosive vapour-air mixture.

· **Explosion limits:**

Lower: 1.2 Vol %

Upper: 18.6 Vol %

· **Vapour pressure at 20 °C:** 5200 hPa

· **Density at 20 °C:** 0.86 g/cm³

· **Relative density** Not determined.

· **Vapour 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:**

VOC-(EU) ---
788.0 g/l

Solids content: 13.1 %

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· Other information
No further relevant information available.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

11 Toxicological information

· Acute toxicity:
· LD/LC50 values relevant for classification:
71-41-0 1-pentanol

Oral	LD50	2200 mg/kg (rat)
Dermal	LD50	3600 mg/kg (rabbit)

141-78-6 ethyl acetate

Oral	LD50	5620 mg/kg (rabbit)
Inhalative	LC50/4 h	1600 mg/l (rat)

· Primary irritant effect:

- **on the skin:** *Irritant to skin and mucous membranes.*
- **on the eye:** *No irritating effect.*
- **Sensitisation:** *No sensitising effects known.*

· Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

Vapours have narcotic effect.

12 Ecological information

- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Additional ecological information:**
- **General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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

13 Disposal considerations

· Waste treatment methods
· European waste catalogue

08 01 11*	<i>waste paint and varnish containing organic solvents or other dangerous substances</i>
15 01 04	<i>metallic packaging</i>
15 01 11*	<i>metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers</i>

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- **Uncleaned packaging:**
- **Recommendation:** *Dispose of packaging according to regulations on the disposal of packagings.*

14 Transport information

· **UN-Number**
 · **ADG, IMDG, IATA** UN1950

· **UN proper shipping name**
 · **ADG** UN1950 AEROSOLS
 · **IMDG** AEROSOLS
 · **IATA** AEROSOLS, flammable

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



· **Class** 2 5F Gases.
 · **Label** 2.1

· **IMDG, IATA**



· **Class** 2.1
 · **Label** 2.1

· **Packing group**
 · **ADG, IMDG, IATA** Void

· **Environmental hazards:**
 · **Marine pollutant:** No

· **Special precautions for user** Warning: Gases.
 · **Danger code (Kemler):** -
 · **EMS Number:** F-D,S-U

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **ADG**
 · **Limited quantities (LQ)** 1L
 · **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity
 · **Transport category** 2
 · **Tunnel restriction code** D

· **IMDG**
 · **Limited quantities (LQ)** 1L
 · **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity

· **UN "Model Regulation":** UN1950, AEROSOLS, 2.1

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15 Regulatory information

· Australian Inventory of Chemical Substances

115-10-6	dimethyl ether
71-41-0	1-pentanol
141-78-6	ethyl acetate
67-64-1	acetone
108-65-6	2-methoxy-1-methylethyl acetate
92797-60-9	Silan, Trimethoxyoctyl- Hydrolyseprodukt mit Siliciumdioxid
123-86-4	n-butyl acetate
1330-20-7	xylene, mixture of isomers
108-83-8	2,6-dimethylheptan-4-one
7631-86-9	silicon dioxide, chemically prepared
64742-94-5	Solvent naphtha (petroleum), heavy arom.
67-63-0	propan-2-ol
100-41-4	ethylbenzene
70657-70-4	2-methoxypropyl acetate
8002-74-2	Paraffin waxes and Hydrocarbon waxes

· Standard for the Uniform Scheduling of Medicines and Poisons

67-64-1	acetone	S5
1330-20-7	xylene, mixture of isomers	S6

· GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

· Hazard pictograms


GHS02 GHS07

· Signal word Danger
· Hazard-determining components of labelling:

1-pentanol

· Hazard statements

Extremely flammable aerosol. Pressurised container: May burst if heated.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

· Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Do not breathe spray.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Dispose of contents / container in accordance with regional regulations.

· Waterhazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.

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16 Other information

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

· **Relevant phrases**

- H220 *Extremely flammable gas.*
- H225 *Highly flammable liquid and vapour.*
- H226 *Flammable liquid and vapour.*
- H280 *Contains gas under pressure; may explode if heated.*
- H304 *May be fatal if swallowed and enters airways.*
- H315 *Causes skin irritation.*
- H319 *Causes serious eye irritation.*
- H332 *Harmful if inhaled.*
- H335 *May cause respiratory irritation.*
- H336 *May cause drowsiness or dizziness.*
- R10 *Flammable.*
- R11 *Highly flammable.*
- R12 *Extremely flammable.*
- R20 *Harmful by inhalation.*
- R36 *Irritating to eyes.*
- R37 *Irritating to respiratory system.*
- R37/38 *Irritating to respiratory system and skin.*
- R51/53 *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- R65 *Harmful: may cause lung damage if swallowed*
- R66 *Repeated exposure may cause skin dryness or cracking.*
- R67 *Vapours may cause drowsiness and dizziness.*

· **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*
- 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)*
- VOC: *Volatile Organic Compounds (USA, EU)*
- LC50: *Lethal concentration, 50 percent*
- LD50: *Lethal dose, 50 percent*
- Flam. Gas 1: *Flammable gases, Hazard Category 1*
- Flam. Aerosol 1: *Flammable aerosols, Hazard Category 1*
- Press. Gas C: *Gases under pressure: Compressed gas*
- Flam. Liq. 2: *Flammable liquids, Hazard Category 2*
- Flam. Liq. 3: *Flammable liquids, Hazard Category 3*
- Acute Tox. 4: *Acute toxicity, Hazard Category 4*
- Skin Irrit. 2: *Skin corrosion/irritation, Hazard Category 2*
- Eye Irrit. 2: *Serious eye damage/eye irritation, Hazard Category 2*
- Eye Irrit. 2: *Serious eye damage/eye irritation, Hazard Category 2*
- STOT SE 3: *Specific target organ toxicity - Single exposure, Hazard Category 3*
- Asp. Tox. 1: *Aspiration hazard, Hazard Category 1*