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**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

<b>01435-2020</b>
<b>-4150</b>

Printing date 03/15/2012

Reviewed on 03/15/2012

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

- **Product identifier**
- **Trade name: Montana ULTRA WIDE 750ml**
- **Application of the substance / the preparation Lacquer**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
L&G Vertriebs GmbH  
Häusserstr. 36  
D-69115 Heidelberg  
Tel. +49-6221-36333-30  
Fax +49-6221-36333-33  
info@montana-cans.de  
www.montana-cans.com
- **Information department: Abteilung Produktsicherheit**
- **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 characterization: Mixtures**
- **Description: Mixture of the substances listed below with nonhazardous additions.**

· **Dangerous components:**

67-64-1	acetone Xi R36; F R11 R66-67 H225; H319; H336	25-<50%
1330-20-7	xylene Xn R20/21; Xi R38 R10 H226; H312; H332; H315	25-<50%
106-97-8	butane F+ R12 H220; H280	12.5<20%
74-98-6	propane F+ R12 H220; H280	5-<10%
100-41-4	ethylbenzene Xn R20; F R11 H225; H332	5-<10%
7429-90-5	aluminium powder (pyrophoric) F R11-15 H250; H261	5-<10%
	Kohlenwasserstoffe, C9-C11, n-Alkane, Isoalkane, cyclische, <2%Aromaten Xn R65 R10-66-67 H226; H304; 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 I 67/548 EU)

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

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### 3 Hazards identification

- **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of international guidelines.  
Warning! Pressurized container.
- **Label elements**
- **Hazard-determining components of labelling:**  
xylene
- **Risk phrases:**  
Extremely flammable.  
Harmful by inhalation and in contact with skin.  
Irritating to eyes and skin.
- **Safety phrases:**  
Keep out of the reach of children.  
Keep away from sources of ignition - No smoking.  
Do not breathe aerosol.  
Avoid contact with skin and eyes.  
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
Wear suitable protective clothing and gloves.  
If swallowed, seek medical advice immediately and show this container or label.  
Use only in well-ventilated areas.
- **Special labelling of certain preparations:**  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
Do not spray on a naked flame or any incandescent material.  
Buildup of explosive mixtures possible without sufficient ventilation.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**  
Health = 2  
Fire = 0  
Reactivity = 3
- **HMS-ratings (scale 0 - 4)**  
Health = 2  
Fire = 0  
Reactivity = 3

### 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. 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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**5 Firefighting measures**

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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.

**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about protection against explosions and fires:**  
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 pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Do not gas tight seal receptacle.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.
- **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.
- **Components with limit values that require monitoring at the workplace:**

67-64-1 acetone

PEL	2400 mg/m <sup>3</sup> , 1000 ppm
REL	590 mg/m <sup>3</sup> , 250 ppm
TLV	Short-term value: (1782) NIC-1187 mg/m <sup>3</sup> , (750) NIC-500 ppm Long-term value: (1188) NIC-475 mg/m <sup>3</sup> , (500) NIC-200 ppm
BEI	

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<b>1330-20-7 xylene</b>	
PEL	435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm
	BEI
<b>106-97-8 butane</b>	
REL	1900 mg/m <sup>3</sup> , 800 ppm
TLV	Varies mg/m <sup>3</sup> , 1000 ppm
<b>74-98-6 propane</b>	
PEL	1800 mg/m <sup>3</sup> , 1000 ppm
REL	1800 mg/m <sup>3</sup> , 1000 ppm
TLV	Varies mg/m <sup>3</sup> , 1000 ppm
<b>100-41-4 ethylbenzene</b>	
PEL	435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 543 mg/m <sup>3</sup> , 125 ppm Long-term value: 87 mg/m <sup>3</sup> , 20 ppm
	BEI
<b>7429-90-5 aluminium powder (pyrophoric)</b>	
PEL	15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL	10* 5** mg/m <sup>3</sup> Metal *total dust **respirable fraction
TLV	1* mg/m <sup>3</sup> *as respirable fraction

· **Additional information:** The lists that were valid during the creation 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.

Do not inhale gases / fumes / aerosols.

·

Avoid contact with the eyes and skin.

· **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.

· **Protection of hands:**

Protective gloves

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed goggles

### 9 Physical and chemical properties

- **General Information**

- **Appearance:**

- **Form:** Aerosol
- **Color:** According to product specification
- **Odor:** Characteristic

- **Change in condition**

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

- **Flash point:** Not applicable, as aerosol.

- **Auto igniting:** Product is not selfigniting.

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

- **Explosion limits:**

- **Lower:** 1.1 Vol %
- **Upper:** 13.0 Vol %

- **Vapor pressure at 20°C (68 °F):** 233 hPa (175 mm Hg)

- **Density at 20°C (68 °F):** 0.76 g/cm<sup>3</sup> (6.342 lbs/gal)

- **Solubility in / Miscibility with**

- **Water:** Not miscible or difficult to mix.

- **Viscosity:**

- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

- **Solvent content:**

- **VOC-USA** 56.4 %
- **VOC-EU** 654.6 g/l

- **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 that are relevant for classification:**

- **67-64-1 acetone**

- |        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | 5800 mg/kg (rat)     |
| Dermal | LD50 | 20000 mg/kg (rabbit) |

- **1330-20-7 xylene**

- |      |      |                  |
|------|------|------------------|
| Oral | LD50 | 4300 mg/kg (rat) |
|------|------|------------------|

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Dermal LD50 500 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **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:  
Harmful  
Irritant

**12 Ecological information**

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** 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.

**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.

**14 Transport information**

- |                                     |                     |
|-------------------------------------|---------------------|
| · <b>UN-Number</b>                  |                     |
| · <b>DOT, ADR, IMDG, IATA</b>       | UN1950              |
| · <b>UN proper shipping name</b>    |                     |
| · <b>DOT, IATA</b>                  | AEROSOLS, flammable |
| · <b>ADR</b>                        | 1950 AEROSOLS       |
| · <b>IMDG</b>                       | AEROSOLS            |
| · <b>Transport hazard class(es)</b> |                     |
| · <b>DOT, IMDG, IATA</b>            |                     |
| · <b>Class</b>                      | 2.1                 |
| · <b>Label</b>                      | 2.1                 |
| · <b>ADR</b>                        |                     |
| · <b>Class</b>                      | 2 5F Gases          |
| · <b>Label</b>                      | 2.1                 |
| · <b>Packing group</b>              |                     |
| · <b>DOT, ADR, IMDG, IATA</b>       | Void                |
| · <b>Environmental hazards:</b>     |                     |
| · <b>Marine pollutant:</b>          | No                  |

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· <b>Special precautions for user</b>	Warning: Gases
· <b>Danger code (Kemler):</b>	-
· <b>EMS Number:</b>	F-D,S-U
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	UN1950, AEROSOLS, 2.1

**15 Regulatory information**· **Sara**

· **Section 355 (extremely hazardous substances):**  
None of the ingredient is listed.

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

1330-20-7	xylene
100-41-4	ethylbenzene
7429-90-5	aluminium powder (pyrophoric)
80-62-6	methyl methacrylate

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **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.

· **Carcinogeny categories**· **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
1330-20-7	xylene	I
100-41-4	ethylbenzene	D
80-62-6	methyl methacrylate	NL

· **IARC (International Agency for Research on Cancer)**

1330-20-7	xylene	3
100-41-4	ethylbenzene	2B
80-62-6	methyl methacrylate	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

67-64-1	acetone	A4
1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3
7429-90-5	aluminium powder (pyrophoric)	A4

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80-62-6	methyl methacrylate	(Contd. of page 7)
		A4
· MAK (German Maximum Workplace Concentration)		
100-41-4	ethylbenzene	3A
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of the ingredients is listed.		
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

· **Product related hazard informations:**

· **Hazard symbols:**

Xn Harmful  
F+ Extremely flammable

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

xylene

· **Risk phrases:**

Extremely flammable.  
Harmful by inhalation and in contact with skin.  
Irritating to eyes and skin.

· **Safety phrases:**

Keep out of the reach of children.  
Keep away from sources of ignition - No smoking.  
Do not breathe aerosol.  
Avoid contact with skin and eyes.  
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
Wear suitable protective clothing and gloves.  
If swallowed, seek medical advice immediately and show this container or label.  
Use only in well-ventilated areas.

· **Special labeling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
Do not spray on a naked flame or any incandescent material.  
Buildup of explosive mixtures possible without sufficient ventilation.

**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.

· **Contact: Anwendungstechnik**

· **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)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
ACGIH: American Conference of Governmental Industrial Hygienists  
NFPA: National Fire Protection Association (USA)  
HMS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

· \* Data compared to the previous version altered. SDB - Änderung gültig ab Abfüllung am

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