

Page 1/10

Safety Data Sheet
acc. to OSHA HCS

01435-XXXX

Printing date 11/22/2013

Reviewed on 11/22/2013

1 Identification

- **Product identifier**
- **Trade name:** Montana ULTRA WIDE 750ml
- **Article number:** 344459, 346774, 383625, 383632
- **Relevant identified uses of the substance or mixture and uses advised against --**
- **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:** 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

- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of international guidelines.
Warning! Pressurized container.
- **Label elements**
- **Hazard-determining components of labeling:**
xylene, mixture of isomers
- **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 spray.
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.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**
Health = 2
Fire = 0
Reactivity = 3

(Contd. on page 2)
USA

Page 2/10

Safety Data Sheet
acc. to OSHA HCS

Printing date 11/22/2013

Reviewed on 11/22/2013

Trade name: Montana ULTRA WIDE 750ml

(Contd. of page 1)

- **HMIS-ratings (scale 0 - 4)**
- Health = 2
- Fire = 0
- 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 RTECS: AL 3150000 Reg.nr.: 01-2119471330-49	acetone Xi R36; F R11 R66-67	25-<50%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 RTECS: ZE 2100000 Reg.nr.: 02-2119752448-30	xylene, mixture of isomers Xn R20/21; Xi R38 R10	20-<25%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 RTECS: EJ 4200000 Reg.nr.: 01-2119474691-32	butane F+ R12	12.5-<20%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 RTECS: TX 2275000 Reg.nr.: 01-2119486944-21	propane F+ R12	5-<10%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 RTECS: DA 0700000 Reg.nr.: 02-2119752523-40	ethylbenzene Xn R20; F R11	5-<10%
CAS: 7429-90-5 EINECS: 231-072-3 Index number: 013-001-00-6 RTECS: BD 0330000	aluminium powder (pyrophoric) F R15-17	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 RTECS: TZ 4300000	isobutane F+ R12	2.5-<5.0%
EC number: 919-857-5 Reg.nr.: 01-2119463258-33	Kohlenwasserstoffe, C9-C11, n-Alkane, Isoalkane, cyclische, <2%Aromaten Xn R65 R10-66-67	<2.5%

· **Additional information:**

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

(Contd. on page 3)

USA

Page 3/10

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/22/2013

Reviewed on 11/22/2013

Trade name: Montana ULTRA WIDE 750ml

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

(Contd. of page 2)

4 First-aid measures

- **Description of 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.
- **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, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**
Water
Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters -**
- **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.

(Contd. on page 4)

USA

Page 4/10

Safety Data Sheet
acc. to OSHA HCS

Printing date 11/22/2013

Reviewed on 11/22/2013

Trade name: Montana ULTRA WIDE 750ml

(Contd. of page 3)

- **Conditions for safe storage, including any incompatibilities**
- **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:**
Do not gas tight seal receptacle.
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 systems: No further data; see item 7.**
- **Control parameters**

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

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: (1782) NIC-1187 mg/m ³ , (750) NIC-500 ppm
	Long-term value: (1188) NIC-475 mg/m ³ , (500) NIC-200 ppm
	BEI

1330-20-7 xylene, mixture of isomers

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm
	Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm
	Long-term value: 434 mg/m ³ , 100 ppm
	BEI

106-97-8 butane

REL	Long-term value: 1900 mg/m ³ , 800 ppm
TLV	Short-term value: 2370 mg/m ³ , 1000 ppm

74-98-6 propane

PEL	Long-term value: 1800 mg/m ³ , 1000 ppm
REL	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV	refer to Appendix F: minimal oxygen content

100-41-4 ethylbenzene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 545 mg/m ³ , 125 ppm
	Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 543 mg/m ³ , 125 ppm
	Long-term value: 87 mg/m ³ , 20 ppm
	BEI

7429-90-5 aluminium powder (pyrophoric)

PEL	Long-term value: 15*; 15** mg/m ³
	*Total dust; ** Respirable fraction

(Contd. on page 5)

USA

Page 5/10

Safety Data Sheet
acc. to OSHA HCS

Printing date 11/22/2013

Reviewed on 11/22/2013

Trade name: Montana ULTRA WIDE 750ml

(Contd. of page 4)

REL	Long-term value: 10* 5** mg/m ³ *Total dust **Respirable fraction
TLV	Long-term value: 1* mg/m ³ as Al: *as respirable fraction
75-28-5 isobutane	
TLV	Short-term value: 2370 mg/m ³ , 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, mixture of isomers	
BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
100-41-4 ethylbenzene	
BEI	0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
	- Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)

• **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.

• **Breathing equipment:**

- Filter AX
- Not necessary if room is well-ventilated.

• **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
- 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**

(Contd. on page 6)

USA

Page 6/10

Safety Data Sheet acc. to OSHA HCS

Printing date 11/22/2013

Reviewed on 11/22/2013

Trade name: Montana ULTRA WIDE 750ml

(Contd. of page 5)

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

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Aerosol
Color:	According to product specification
Odor:	Characteristic
Odour threshold:	Not determined.

· pH-value:	Not determined.
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· Change in condition

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

· Flash point:	Not applicable, as aerosol.
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· Flammability (solid, gaseous):	Not applicable.
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· Decomposition temperature:	Not determined.
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· Auto igniting:	Product is not selfigniting.
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· Danger of explosion:	In use, may form flammable/explosive vapour-air mixture.
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· Explosion limits:

Lower:	1.1 Vol %
Upper:	13.0 Vol %

· Vapor pressure at 20 °C (68 °F):	2100 hPa (1575 mm Hg)
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· Density at 20 °C (68 °F):	0.76 g/cm ³ (6.342 lbs/gal)
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· Relative density	Not determined.
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· Vapour density	Not determined.
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· Evaporation rate	Not applicable.
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· Solubility in / Miscibility with

Water:	Not miscible or difficult to mix.
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· Partition coefficient (n-octanol/water):	Not determined.
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· Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

· Solvent content:

VOC-USA	57.9 %
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· Other information	No further relevant information available.
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10 Stability and reactivity

· Reactivity

· Chemical stability

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Possibility of hazardous reactions No dangerous reactions known.

(Contd. on page 7)

USA

Page 7/10

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/22/2013

Reviewed on 11/22/2013

Trade name: Montana ULTRA WIDE 750ml

(Contd. of page 6)

- **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	20000 mg/kg (rabbit)

1330-20-7 xylene, mixture of isomers

Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	6350 mg/l (rat)

- **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
Vapors have narcotic effect.

- **Carcinogenic categories**

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

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

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

1330-20-7 xylene, mixture of isomers

EC50 (24h)	>175 mg/l (bacteria)
EC50 / 48h	3.82 mg/l (daphnia magna / Wasserfloh)
EC50/72h	4.7 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	7.6 mg/l (oncorhynchus mykiss / Regenbogenforelle)

- **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

(Contd. on page 8)
USA

Page 8/10

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/22/2013

Reviewed on 11/22/2013

Trade name: Montana ULTRA WIDE 750ml

- 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.

(Contd. of page 7)

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

- | | |
|---|-----------------------|
| · UN-Number | |
| · DOT, ADR, IMDG, IATA | UN1950 |
| · UN proper shipping name | |
| · DOT | Aerosols, flammable |
| · ADR | UN1950 Aerosols |
| · IMDG | AEROSOLS |
| · IATA | AEROSOLS, flammable |
| · Transport hazard class(es) | |
| · DOT, IMDG, IATA | |
| · Class | 2.1 |
| · Label | 2.1 |
| · ADR | |
| · Class | 2 5F Gases |
| · Label | 2.1 |
| · Packing group | |
| · DOT, ADR, 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. |
| · UN "Model Regulation": | UN1950, 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 ingredient is listed.

(Contd. on page 9)

USA

Page 9/10

Safety Data Sheet
acc. to OSHA HCS

Printing date 11/22/2013

Reviewed on 11/22/2013

Trade name: Montana ULTRA WIDE 750ml

(Contd. of page 8)

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

1330-20-7 xylene, mixture of isomers

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, mixture of isomers I

100-41-4 ethylbenzene D

80-62-6 methyl methacrylate NL

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

67-64-1 acetone A4

1330-20-7 xylene, mixture of isomers A4

100-41-4 ethylbenzene A3

7429-90-5 aluminium powder (pyrophoric) A4

80-62-6 methyl methacrylate 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 labeling:**

xylene, mixture of isomers

· **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.

(Contd. on page 10)

USA

Page 10/10

Safety Data Sheet
acc. to OSHA HCS

Printing date 11/22/2013

Reviewed on 11/22/2013

Trade name: Montana ULTRA WIDE 750ml

(Contd. of page 9)

- Do not breathe spray.*
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.
 - **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**
R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R15 Contact with water liberates extremely flammable gases.
R17 Spontaneously flammable in air.
R20 Harmful by inhalation.
R20/21 Harmful by inhalation and in contact with skin.
R36 Irritating to eyes.
R38 Irritating to skin.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
- **Contact: Anwendungstechnik**
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

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