

**Safety Data Sheet**  
**acc. to OSHA HCS**

Printing date 04/27/2020

Reviewed on 11/21/2019

**1 Identification**

- **Product identifier**
- **Trade name:** **MONTANA TECH Plastic Primer**
- **Article number:** 376344
- **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
- **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.



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.  
Skin Sens. 1 H317 May cause an allergic skin reaction.  
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

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

ethyl acetate  
 n-butyl acetate  
 p-tert-butylphenyl 1-(2,3-epoxy)propyl ether

• **Hazard statements**

H222 Extremely flammable aerosol.  
 H280 Contains gas under pressure; may explode if heated.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.  
 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: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5	ethyl acetate ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	25-<50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane ⚠ Press. Gas, H280	20-<25%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane ⚠ Press. Gas, H280	12.5-<20%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	n-butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	5-<10%
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	5-<10%

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CAS: 75-28-5

EINECS: 200-857-2

Index number: 601-004-00-0

isobutane

Press. Gas, H280

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5-&lt;10%

## 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 and to be sure call for a doctor.

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.

## 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:

141-78-6	ethyl acetate	1,200 ppm
74-98-6	propane	5500* ppm
106-97-8	butane	5500* ppm
123-86-4	n-butyl acetate	5 ppm
75-28-5	isobutane	5500* ppm

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67-66-3	trichloromethane	2 ppm
<b>· PAC-2:</b>		
141-78-6	ethyl acetate	1,700 ppm
74-98-6	propane	17000** ppm
106-97-8	butane	17000** ppm
123-86-4	n-butyl acetate	200 ppm
75-28-5	isobutane	17000** ppm
67-66-3	trichloromethane	64 ppm
<b>· PAC-3:</b>		
141-78-6	ethyl acetate	10000** ppm
74-98-6	propane	33000*** ppm
106-97-8	butane	53000*** ppm
123-86-4	n-butyl acetate	3000* ppm
75-28-5	isobutane	53000*** ppm
67-66-3	trichloromethane	3,200 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:

<b>141-78-6 ethyl acetate</b>	
PEL	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
REL	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
TLV	Long-term value: 1440 mg/m <sup>3</sup> , 400 ppm
<b>74-98-6 propane</b>	
PEL	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm
TLV	refer to Appendix F in TLVs&BEIs book; D, EX
<b>106-97-8 butane</b>	
REL	Long-term value: 1900 mg/m <sup>3</sup> , 800 ppm

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TLV Short-term value: 2370 mg/m<sup>3</sup>, 1000 ppm  
(EX)

**123-86-4 n-butyl acetate**

PEL Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

REL Short-term value: 950 mg/m<sup>3</sup>, 200 ppm

Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

TLV Short-term value: 712 mg/m<sup>3</sup>, 150 ppm

Long-term value: 238 mg/m<sup>3</sup>, 50 ppm

**1330-20-7 xylene**

PEL Long-term value: 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

**75-28-5 isobutane**

TLV Short-term value: 2370 mg/m<sup>3</sup>, 1000 ppm

(EX)

**· Ingredients with biological limit values:****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.

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

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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:

Solvent-like

## • 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.

## • Explosion limits:

Lower:

1.5 Vol %

Upper:

11.5 Vol %

## • Vapor pressure at 20 °C (68 °F):

8300 hPa (6225.5 mm Hg)

## • Density at 20 °C (68 °F):

0.7 g/cm<sup>3</sup> (5.8 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:

98.5 %

VOC content:

710.0 g/l / 5.93 lb/gal

Solids content:

1.4 %

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## • 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:

## 141-78-6 ethyl acetate

Oral	LD50	>18000 mg/kg (rab)
Dermal	LD50	5620 mg/kg (rat)
Inhalative	LC50 / 4 h	1600 mg/m3 (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/m3 (rat)

## 1330-20-7 xylene

Oral	LD50	3523 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	29000 mg/m3 (rat)

## • Primary irritant effect:

• on the skin: Irritant to skin and mucous membranes.

• on the eye: Irritating effect.

• Sensitization: Sensitization possible through skin contact.

## • 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
67-66-3	trichloromethane	2B

## • NTP (National Toxicology Program)

67-66-3	trichloromethane	R
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## • OSHA-Ca (Occupational Safety &amp; Health Administration)

None of the ingredients is listed.

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## \* 12 Ecological information

· **Toxicity**· **Aquatic toxicity:****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:**

Disposal must be made according to official regulations.

Contains epoxy constituents. See information supplied by the manufacturer.

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.

## \* 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

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· **Label** 2.1· **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:**· **Stowage Code**

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.

· **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)**· **Excepted quantities (EQ)**

1L

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):**

67-66-3 trichloromethane

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

1330-20-7 xylene

67-66-3 trichloromethane

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

All components have the value ACTIVE.

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· **Hazardous Air Pollutants**

67-66-3 trichloromethane

· **Proposition 65**· **Chemicals known to cause cancer:**

67-66-3 trichloromethane

· **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:**

67-66-3 trichloromethane

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

1330-20-7 xylene

I

67-66-3 trichloromethane

B2, L, NL

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

1330-20-7 xylene

A4

67-66-3 trichloromethane

A3

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

67-66-3 trichloromethane

· **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.

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.

· **Date of preparation / last revision** 04/27/2020 / -· **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 Organisation

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

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

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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  
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  
Skin Sens. 1: Skin sensitisation – Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
· **\* Data compared to the previous version altered.**

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