Safety Data Sheet
acc. to OSHA HCS

Printing date 04/22/2020 *Reviewed on 04/22/2020*

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1 Identification

· **Product identifier**

· **Trade name: MONTANA TECH Metal Primer**

· **Article number:** 376320
· **Application of the substance / the mixture**
Anticorrosion additive
Priming

· **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)

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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.


GHS08 Health hazard

Carc. 1A H350 May cause cancer. Route of exposure: Inhalation.


GHS07

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).

(Contd. on page 2)

Trade name: MONTANA TECH Metal Primer

(Contd. of page 1)

· **Hazard pictograms**

GHS02 GHS04 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
acetone
ethanol
n-butyl acetate
titanium dioxide
maleic anhydride
4-morpholinecarbaldehyde

· **Hazard statements**
H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H350 May cause cancer. Route of exposure: Inhalation.
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.
P280	Wear protective gloves / eye protection.
P285	In case of inadequate ventilation wear respiratory protection.
P302+P352	If on skin: Wash with plenty of soap and water.
P312	Call a poison center/doctor if you feel unwell.
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.

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3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

(Contd. on page 3)

Trade name: MONTANA TECH Metal Primer

(Contd. of page 2)

· **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	25-<50%
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	10-<12.5%
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: 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%
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%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide Carc. 2, H351	<2.5%
CAS: 4394-85-8 EINECS: 224-518-3	4-morpholinecarbaldehyde Skin Sens. 1, H317	≤0.5%

· **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

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4 First-aid measures

· **Description of first aid measures**
· **General information:** Take affected persons out into the fresh air.
· **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.

(Contd. on page 4)

Trade name: MONTANA TECH Metal Primer

(Contd. of page 3)

· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

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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:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Mouth respiratory protective device.

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6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Keep away from ignition sources
Ensure adequate ventilation
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-1:**		
67-64-1	acetone	200 ppm
123-86-4	n-butyl acetate	5 ppm
74-98-6	propane	5500* ppm
106-97-8	butane	5500* ppm
75-28-5	isobutane	5500* ppm
7779-90-0	trizinc bis(orthophosphate)	12 mg/m³
64-17-5	ethanol	1,800 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
1309-37-1	diiron trioxide	15 mg/m³
13463-67-7	titanium dioxide	30 mg/m³
103-23-1	Di-(2-ethylhexyl) adipate	17 mg/m³
1317-61-9	triiron tetraoxide	21 mg/m³
67-63-0	propan-2-ol	400 ppm
1314-13-2	zinc oxide	10 mg/m³
71-36-3	butan-1-ol	60 ppm
7447-41-8	lithium chloride	2.3 mg/m³
85-44-9	phthalic anhydride	18 mg/m³
63148-62-9	Polydimethylsiloxan	65 mg/m³

(Contd. on page 5)

Trade name: MONTANA TECH Metal Primer

(Contd. of page 4)

108-83-8	2,6-dimethylheptan-4-one	75 ppm
100-42-5	styrene	20 ppm
111-66-0	oct-1-ene	40 ppm
108-31-6	maleic anhydride	0.2 ppm
70657-70-4	2-methoxypropyl acetate	50 ppm
14808-60-7	Quartz (SiO2)	0.075 mg/m³

· **PAC-2:**

67-64-1	acetone	3200* ppm
123-86-4	n-butyl acetate	200 ppm
74-98-6	propane	17000** ppm
106-97-8	butane	17000** ppm
75-28-5	isobutane	17000** ppm
7779-90-0	trizinc bis(orthophosphate)	36 mg/m³
64-17-5	ethanol	3300* ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
1309-37-1	diiron trioxide	360 mg/m³
13463-67-7	titanium dioxide	330 mg/m³
103-23-1	Di-(2-ethylhexyl) adipate	180 mg/m³
1317-61-9	triiron tetraoxide	230 mg/m³
67-63-0	propan-2-ol	2000* ppm
1314-13-2	zinc oxide	15 mg/m³
71-36-3	butan-1-ol	800 ppm
7447-41-8	lithium chloride	25 mg/m³
85-44-9	phthalic anhydride	56 mg/m³
63148-62-9	Polydimethylsiloxan	720 mg/m³
108-83-8	2,6-dimethylheptan-4-one	330 ppm
100-42-5	styrene	130 ppm
111-66-0	oct-1-ene	800* ppm
108-31-6	maleic anhydride	2 ppm
70657-70-4	2-methoxypropyl acetate	1,000 ppm
14808-60-7	Quartz (SiO2)	33 mg/m³

· **PAC-3:**

67-64-1	acetone	5700* ppm
123-86-4	n-butyl acetate	3000* ppm
74-98-6	propane	33000*** ppm
106-97-8	butane	53000*** ppm
75-28-5	isobutane	53000*** ppm
7779-90-0	trizinc bis(orthophosphate)	220 mg/m³
64-17-5	ethanol	15000* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
1309-37-1	diiron trioxide	2,200 mg/m³
13463-67-7	titanium dioxide	2,000 mg/m³
103-23-1	Di-(2-ethylhexyl) adipate	1,100 mg/m³
1317-61-9	triiron tetraoxide	1,400 mg/m³
67-63-0	propan-2-ol	12000** ppm
1314-13-2	zinc oxide	2,500 mg/m³

(Contd. on page 6)

(Contd. of page 5)

71-36-3	butan-1-ol	8000** ppm
7447-41-8	lithium chloride	150 mg/m³
85-44-9	phthalic anhydride	10,000 mg/m³
63148-62-9	Polydimethylsiloxan	4,300 mg/m³
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
100-42-5	styrene	1100* ppm
111-66-0	oct-1-ene	2000* ppm
108-31-6	maleic anhydride	20 ppm
70657-70-4	2-methoxypropyl acetate	5,000 ppm
14808-60-7	Quartz (SiO2)	200 mg/m³

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7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Keep away from heat and direct sunlight.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Ensure good ventilation/exhaustion at the workplace.
· **Information about protection against explosions and fires:**
Fumes can combine with air to form an explosive mixture.
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.

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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/m³, 1000 ppm
REL	Long-term value: 590 mg/m³, 250 ppm
TLV	Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm BEI
123-86-4 n-butyl acetate	
PEL	Long-term value: 710 mg/m³, 150 ppm
REL	Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm
TLV	Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm
74-98-6 propane	
PEL	Long-term value: 1800 mg/m³, 1000 ppm

(Contd. on page 7)

Trade name: MONTANA TECH Metal Primer

(Contd. of page 6)

REL	Long-term value: 1800 mg/m³, 1000 ppm
TLV	refer to Appendix F inTLVs&BEIs book; D, EX
106-97-8 butane	
REL	Long-term value: 1900 mg/m³, 800 ppm
TLV	Short-term value: 2370 mg/m³, 1000 ppm (EX)
75-28-5 isobutane	
TLV	Short-term value: 2370 mg/m³, 1000 ppm (EX)
1330-20-7 xylene	
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI
64-17-5 ethanol	
PEL	Long-term value: 1900 mg/m³, 1000 ppm
REL	Long-term value: 1900 mg/m³, 1000 ppm
TLV	Short-term value: 1880 mg/m³, 1000 ppm
108-65-6 2-methoxy-1-methylethyl acetate	
WEEL	Long-term value: 50 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:**
Do not eat, drink, smoke or sniff while working.
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.
· **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

(Contd. on page 8)

(Contd. of page 7)

· **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

· **Body protection:** Light weight protective clothing

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9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Aerosol
Color:	Grey
· **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:**	365 °C (689 °F)
· **Decomposition temperature:**	Not determined.
· **Danger of explosion:**	Not determined.
· **Explosion limits:**	
Lower:	1.2 Vol %
Upper:	13 Vol %
· **Vapor pressure at 20 °C (68 °F):**	8300 hPa (6225.5 mm Hg)
· **Density at 20 °C (68 °F):**	0.8 g/cm³ (6.7 lbs/gal)
· **Relative density**	Not determined.
· **Vapor density**	Not determined.

(Contd. on page 9)

Trade name: MONTANA TECH Metal Primer

(Contd. of page 8)

· **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:	83.5 %
Water:	0.1 %
VOC content:	320.0 g/l / 2.67 lb/gal
Solids content:	14.5 %
· **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.

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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/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)
64-17-5 ethanol		
Oral	LD50	10470 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50 / 4h	120 mg/l (rat)
108-65-6 2-methoxy-1-methylethyl acetate		
Oral	LD50	8530 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)

(Contd. on page 10)

Trade name: MONTANA TECH Metal Primer

(Contd. of page 9)

Inhalative	LC50 / 4 h	>10000 mg/m3 (rat)

· **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **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
14807-96-6	Talc (Mg3H2(SiO3)4)	3
64-17-5	ethanol	1
1309-37-1	diiron trioxide	3
13463-67-7	titanium dioxide	2B
103-23-1	Di-(2-ethylhexyl) adipate	3
67-63-0	propan-2-ol	3
100-42-5	styrene	2B
14808-60-7	Quartz (SiO2)	1

· **NTP (National Toxicology Program)**		
100-42-5	styrene	R
14808-60-7	Quartz (SiO2)	K

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

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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))
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)
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)

· **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.

(Contd. on page 11)

Trade name: MONTANA TECH Metal Primer

(Contd. of page 10)

· **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.

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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.
Non contaminated packagings can be used for recycling.

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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
· **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**	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:

(Contd. on page 12)

Trade name: MONTANA TECH Metal Primer

(Contd. of page 11)

·	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

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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
7779-90-0	trizinc bis(orthophosphate)
103-23-1	Di-(2-ethylhexyl) adipate
67-63-0	propan-2-ol
1314-13-2	zinc oxide
71-36-3	butan-1-ol
85-44-9	phthalic anhydride
100-42-5	styrene
108-31-6	maleic anhydride

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

67-64-1	acetone	ACTIVE
123-86-4	n-butyl acetate	ACTIVE
74-98-6	propane	ACTIVE
106-97-8	butane	ACTIVE
68476-20-0	Fatty acids, vegetable-oil, polymers with glycerol, pentaerythritol and phthalic anhydride	INACTIVE
9004-70-0	cellulose nitrate	ACTIVE
75-28-5	isobutane	ACTIVE
1330-20-7	xylene	ACTIVE
7779-90-0	trizinc bis(orthophosphate)	ACTIVE

(Contd. on page 13)

Trade name: MONTANA TECH Metal Primer

(Contd. of page 12)

14807-96-6	Talc (Mg3H2(SiO3)4)	ACTIVE
64-17-5	ethanol	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
1309-37-1	diiron trioxide	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
103-23-1	Di-(2-ethylhexyl) adipate	ACTIVE
1317-61-9	triiron tetraoxide	ACTIVE
4394-85-8	4-morpholinecarbaldehyde	ACTIVE
67-63-0	propan-2-ol	ACTIVE
51274-00-1	C.I. Pigment Yellow 42	ACTIVE
1314-13-2	zinc oxide	ACTIVE
7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
64742-82-1	naphtha (petroleum), hydrodesulphurized heavy	ACTIVE
1318-59-8	Chlorit	*
13717-00-5	Magnesit	*
85711-46-2	Fatty acids, C14-18 and C16-18-unsatd., maleated	ACTIVE
71-36-3	butan-1-ol	ACTIVE
98171-53-0	Butansäure, 4-Amino-4-oxosulfo-, N-Kokos-alkylderivate, Mononatriumsalze, Verbindungen mit Triethanolamin	ACTIVE
64742-95-6	Hydrocarbons, C9, aromatics	ACTIVE
64742-95-6	Solvent naphtha (petroleum), light arom.	ACTIVE
147900-93-4	fatty acids	ACTIVE

· **Hazardous Air Pollutants**

85-44-9	phthalic anhydride
100-42-5	styrene
108-31-6	maleic anhydride

· **Proposition 65**

· **Chemicals known to cause cancer:**

13463-67-7	titanium dioxide
100-42-5	styrene
14808-60-7	Quartz (SiO2)

· **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

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
1330-20-7	xylene	I
7779-90-0	trizinc bis(orthophosphate)	D, I, II
103-23-1	Di-(2-ethylhexyl) adipate	C
1314-13-2	zinc oxide	D, I, II
71-36-3	butan-1-ol	D

(Contd. on page 14)

Trade name: MONTANA TECH Metal Primer

(Contd. of page 13)

· **TLV (Threshold Limit Value established by ACGIH)**		
67-64-1	acetone	A4
1330-20-7	xylene	A4
14807-96-6	Talc (Mg3H2(SiO3)4)	A4
64-17-5	ethanol	A3
1309-37-1	diiron trioxide	A4
13463-67-7	titanium dioxide	A4
67-63-0	propan-2-ol	A4
85-44-9	phthalic anhydride	A4
100-42-5	styrene	A4
108-31-6	maleic anhydride	A4
14808-60-7	Quartz (SiO2)	A2

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**	
13463-67-7	titanium dioxide
14808-60-7	Quartz (SiO2)

· **National regulations:**

· **Information about limitation of use:**
Employment restrictions concerning young persons must be observed.
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.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H350 May cause cancer. Route of exposure: Inhalation.
H351 Suspected of causing cancer. Route of exposure: Inhalation.
· **Date of preparation / last revision** 04/22/2020 / 4
· **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)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
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)

(Contd. on page 15)

(Contd. of page 14)

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
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
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 1A: Carcinogenicity – Category 1A
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **** Data compared to the previous version altered.***