

EX014PR0950 - MTN PRO Luminous Paint



SECTION 1: IDENTIFICATION

1.1 GHS Product identifier: EX014PR0950 - MTN PRO Luminous Paint

Other means of identification:

1.2 Recommended use of the chemical and restrictions on use:

Relevant uses: Spray paint

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

MONTANA COLORS, S.L.

Pol. Ind. Pla de les Vives C/ Anaïs Nin 6

08295 Sant Vicenç de Castellet - Barcelona - España Phone: +34 938332760 (9:00- 16:00h GMT +1:00)

msds@montanacolors.com

https://www.montanacolors.com

1.4 Emergency phone number: Call CHEMTREC Day or Night. Within USA and Canada: 1-800-424-9300 (24h).

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture:

NFPA:

Health Hazards: 1 Flammability Hazards: 4 Instability Hazards: 0

Special Hazards: Non-applicable

29 CFR 1910.1200:

Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.

Aerosol 1: Flammable aerosols, Category 1, H222 Eye Irrit. 2A: Eye irritation, Category 2A, H319 Skin Irrit. 2: Skin irritation, Category 2, H315

STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:

NFPA:



29 CFR 1910.1200:

Danger





Hazard statements:

Aerosol 1: H222 - Extremely flammable aerosol. Eye Irrit. 2A: H319 - Causes serious eye irritation. Skin Irrit. 2: H315 - Causes skin irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness.

Precautionary statements:

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SECTION 2: HAZARD(S) IDENTIFICATION (continued)

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Do not pierce or burn, even after use.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

P501: Dispose of the contents/containers according to the local, state and federal regulations.

Substances that contribute to the classification

N-butyl acetate; Ethyl acetate

Additional labeling:

FEDERAL HAZARDOUS SUBSTANCES ACT REGULATIONS (§1500.130 Self-pressurized containers: labeling):

Warning—contents under pressure.

Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120 °F. Keep out of the reach of children.

2.3 Hazards not otherwise classified (HNOC):

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Non-applicable

3.2 Mixtures:

Chemical description: Aerosol

Components:

Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

	Identification Chemical name/Classification		Concentration	
CAS:	115-10-6	Dimethyl ether Flam. Gas 1A: H220; Press. Gas: H280 - Danger	⋄ ◆	50 - <75 %
CAS:	123-86-4	N-butyl acetate Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	<u>(1)</u>	10 - <20 %
CAS:	12004-37-4	Dialuminium strontium tetraoxide Eye Irrit. 2A: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	1>	10 - <20 %
CAS:	141-78-6	Ethyl acetate Eye Irrit. 2A: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger	(1)	10 - <20 %
CAS:	Non-applicable	Reaction mass of ethylbenzene and m-xylene and p-xylene Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2A: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	(1) (A) (B)	1 - <2,5 %

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

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SECTION 4: FIRST-AID MEASURES (continued)

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms/effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Non-applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO2).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and materials for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current standards 29 CFR 1910 Occupational Safety and Health Standards. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 41 °F
Maximum Temp.: 86 °F
Maximum time: 120 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

Identification	Occupational exposure limits		
propan-2-ol	8-hour TWA PEL	400 ppm	980 mg/m ³
CAS: 67-63-0	Ceiling Values - TWA PEL		
ethanol	8-hour TWA PEL	1000 ppm	1900 mg/m ³
CAS: 64-17-5	Ceiling Values - TWA PEL		
Xylene	8-hour TWA PEL	100 ppm	435 mg/m ³
CAS: 1330-20-7	Ceiling Values - TWA PEL		
2-methylpropan-1-ol	8-hour TWA PEL	100 ppm	300 mg/m ³
CAS: 78-83-1	Ceiling Values - TWA PEL		
Ethylbenzene	8-hour TWA PEL	100 ppm	435 mg/m ³
CAS: 100-41-4	Ceiling Values - TWA PEL		
N-butyl acetate	8-hour TWA PEL	150 ppm	710 mg/m ³
CAS: 123-86-4	Ceiling Values - TWA PEL		
Reaction mass of ethylbenzene and m-xylene and p-xylene	8-hour TWA PEL	100 ppm	435 mg/m ³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

Identification	Occupational exposure limits
CAS: Non-applicable	Ceiling Values - TWA PEL
acetone	8-hour TWA PEL 1000 ppm 2400 mg/m ³
CAS: 67-64-1	Ceiling Values - TWA PEL
Reaction mass of ethylbenzene and xylene	8-hour TWA PEL 100 ppm 435 mg/m ³
CAS: Non-applicable	Ceiling Values - TWA PEL
Ethyl acetate	8-hour TWA PEL 400 ppm 1400 mg/m ³
CAS: 141-78-6	Ceiling Values - TWA PEL

US. ACGIH Threshold Limit Values (2022):

Identification	Identification Occupational exposure limits		e limits
propan-2-ol	TLV-TWA	200 ppm	
CAS: 67-63-0	TLV-STEL	400 ppm	
ethanol	TLV-TWA		
CAS: 64-17-5	TLV-STEL	1000 ppm	
Xylene	TLV-TWA	100 ppm	
CAS: 1330-20-7	TLV-STEL	150 ppm	
2-methylpropan-1-ol	TLV-TWA	50 ppm	
CAS: 78-83-1	TLV-STEL		
Ethylbenzene	TLV-TWA	20 ppm	
CAS: 100-41-4	TLV-STEL		
N-butyl acetate	TLV-TWA	20 ppm	
CAS: 123-86-4	TLV-STEL		
Reaction mass of ethylbenzene and m-xylene and p-xylene	TLV-TWA	100 ppm	
CAS: Non-applicable	TLV-STEL	150 ppm	
Dialuminium strontium tetraoxide	TLV-TWA		1 mg/m ³
CAS: 12004-37-4	TLV-STEL		
acetone	TLV-TWA	250 ppm	
CAS: 67-64-1	TLV-STEL	500 ppm	
Reaction mass of ethylbenzene and xylene	TLV-TWA	100 ppm	
CAS: Non-applicable	TLV-STEL	150 ppm	
Quartz (RCS < 1 %)	TLV-TWA		0.025 mg/m ³
CAS: 14808-60-7	TLV-STEL		
Ethyl acetate	TLV-TWA	150 ppm	
CAS: 141-78-6	TLV-STEL		
Dimethyl ether	TLV-TWA	1000 ppm	
CAS: 115-10-6	TLV-STEL		

CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:

Identification		Occupational exposure limits		
propan-2-ol	PEL	400 ppm	980 mg/m ³	
CAS: 67-63-0	STEL	500 ppm	1225 mg/m ³	
ethanol	PEL	1000 ppm	1900 mg/m ³	
CAS: 64-17-5	STEL			
Xylene	PEL	100 ppm	435 mg/m ³	
CAS: 1330-20-7	STEL	150 ppm	655 mg/m ³	
2-methylpropan-1-ol	PEL	50 ppm	150 mg/m ³	
CAS: 78-83-1	STEL			
Ethylbenzene	PEL	5 ppm	22 mg/m ³	
CAS: 100-41-4	STEL	30 ppm	130 mg/m ³	
N-butyl acetate	PEL	150 ppm	710 mg/m ³	
CAS: 123-86-4	STEL	200 ppm	950 mg/m ³	
Reaction mass of ethylbenzene and m-xylene and p-xylene	PEL	100 ppm	435 mg/m ³	
CAS: Non-applicable	STEL	150 ppm	655 mg/m ³	
acetone	PEL	500 ppm	1200 mg/m ³	
CAS: 67-64-1	STEL	750 ppm	1780 mg/m ³	
Reaction mass of ethylbenzene and xylene	PEL	100 ppm	435 mg/m ³	
CAS: Non-applicable	STEL	150 ppm	655 mg/m ³	
Quartz (RCS < 1 %)	PEL		0.05 mg/m ³	

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:

Identification	Occupational exposure limits		
CAS: 14808-60-7	STEL		
Ethyl acetate	PEL	400 ppm	1400 mg/m ³
CAS: 141-78-6	STEL		

Biological limit values:

Biological Exposure Indices (BEIs®) - ACGIH

Identification	BEIs®	Determinant	Sampling Time
propan-2-ol CAS: 67-63-0	40 mg/L	Acetone in urine	End of shift at end of workweek
Xylene CAS: 1330-20-7	1500 mg/g (NULL)	Methylhippuric acids in urine	End of shift
Ethylbenzene CAS: 100-41-4	150 mg/g (NULL)	Sum of mandelic acid and phenylglyoxylic acid in urine	End of shift
Reaction mass of ethylbenzene and m-xylene and p-xylene CAS: Non-applicable	1500 mg/g (NULL)	Methylhippuric acids in urine	End of shift
acetone CAS: 67-64-1	25 mg/L	Acetone in urine	End of shift
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	1500 mg/g (NULL)	Methylhippuric acids in urine	End of shift

8.2 Appropriate engineering controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

B.- Respiratory protection

Pictogram	PPE	Remarks
Mandatory respiratory tract protection	Filter mask for gases, vapours and particles	Replace when an increase in resistence to breathing is observed and/or a smell or taste of the contaminant is detected. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

C.- Specific protection for the hands

Pictogram	PPE	Remarks
Mandatory hand protection	Chemical protective gloves (Material: Linear low -density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. Use gloves in accordance with manufacturer's use limitations and OSHA standard 1910.138 (29CFR)

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

D.- Eye and face protection

	Pictogram	PPE	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer's use limitations and OSHA standard 1910.133 (29CFR)
_	Rodily protection		

E.- Bodily protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
Mandatory complete body protection	Antistatic and fireproof protective clothing	Limited protection against flames.
Mandatory foot protection	Safety footwear with antistatic and heat resistant properties	Replace boots at any sign of deterioration. Use foot protection in accordance with manufacturer's use limitations and OSHA standard 1910.136 (29CFR)

F.- Additional emergency measures

Ī	Emergency measure	Standards	Emergency measure	Standards
	*	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	-{ ((((((((((DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011
	Emergency shower		Eyewash stations	

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

40 CFR Part 59 (VOC):

V.O.C.(weight-percent): 81.48 % weight

V.O.C. at 68 °F: 662.79 kg/m³ (662.79 g/L)

California Air Resources Board (CARB) - VOC Regulatory:

V.O.C.(weight-percent): 81.48 % weight

V.O.C. at 68 °F: 662.79 kg/m³ (662.79 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 68 °F: Aerosol
Appearance: Not available

Color: According to the markings on the package

Odor: Not available
Odour threshold: Non-applicable *

Volatility:

Boiling point at atmospheric pressure:

Vapour pressure at 68 °F:

Vapour pressure at 122 °F:

Vapour pressure at 122 °F:

Vapour pressure at 68 °F:

Non-applicable *

Non-applicable *

Product description:

Density at 68 °F:

Relative density at 68 °F:

Dynamic viscosity at 68 °F:

Kinematic viscosity at 68 °F:

Kinematic viscosity at 104 °F:

*Non-applicable *

Non-applicable *

Non-applicable *

Non-applicable *

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration: Non-applicable * pH: Non-applicable * Vapour density at 68 °F: Non-applicable * Partition coefficient n-octanol/water 68 °F: Non-applicable * Solubility in water at 68 °F: Non-applicable * Solubility properties: Non-applicable * Decomposition temperature: Non-applicable * Melting point/freezing point: Non-applicable * Recipient pressure: Non-applicable *

Flammability:

Flash Point:

Flammability (solid, gas):

Autoignition temperature:

Lower flammability limit:

Upper flammability limit:

Non-applicable *

Non-applicable *

Non-applicable *

Particle characteristics:

Median equivalent diameter: Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:

Oxidising properties:

Corrosive to metals:

Heat of combustion:

Aerosols-total percentage (by mass) of flammable

Non-applicable *

Non-applicable *

Non-applicable *

components:

Other safety characteristics:

Surface tension at 68 °F:

Refraction index:

Non-applicable *

Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

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SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. With possibility of effects that are hazardous to the health, it is recommended not to breathe the vapours for long periods of time.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
 - Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- B- Inhalation (acute effect):
 - Acute toxicity: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Produces skin inflammation.
 - Contact with the eyes: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.

IARC: propan-2-ol (3); ethanol (1); Xylene (3); Ethylbenzene (2B); Reaction mass of ethylbenzene and m-xylene and p-xylene (3); Reaction mass of ethylbenzene and xylene (3)

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- F- Specific target organ toxicity (STOT) single exposure:

Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, however, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
N-butyl acetate	LD50 oral	12789 mg/kg	Rat
CAS: 123-86-4	LD50 dermal	14112 mg/kg	Rabbit
	LC50 inhalation	23.4 mg/L (4 h)	Rat
Reaction mass of ethylbenzene and m-xylene and p-xylene	LD50 oral	5627 mg/kg	Mouse
CAS: Non-applicable	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation	11 mg/L (ATEi)	
Dialuminium strontium tetraoxide	LD50 oral	>5000 mg/kg	
CAS: 12004-37-4	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>5 mg/L	
Ethyl acetate	LD50 oral	4100 mg/kg	Rat
CAS: 141-78-6	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
Dimethyl ether	LD50 oral	>5000 mg/kg	
CAS: 115-10-6	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	308.5 mg/L (4 h)	Rat

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Ecotoxicity (aquatic and terrestrial, where available):

Acute toxicity:

Identification	Concentration		Species	Genus
N-butyl acetate	LC50	Non-applicable		
CAS: 123-86-4	EC50	Non-applicable		
	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
Ethyl acetate	LC50	230 mg/L (96 h)	Pimephales promelas	Fish
CAS: 141-78-6	EC50	717 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	3300 mg/L (48 h)	Scenedesmus subspicatus	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
N-butyl acetate	NOEC	Non-applicable		
CAS: 123-86-4	NOEC	23.2 mg/L	Daphnia magna	Crustacean
Ethyl acetate	NOEC	9.65 mg/L	Pimephales promelas	Fish
CAS: 141-78-6	NOEC	2.4 mg/L	Daphnia magna	Crustacean
Reaction mass of ethylbenzene and m-xylene and p-xylene	NOEC	1.3 mg/L	Oncorhynchus mykiss	Fish
CAS: Non-applicable	NOEC	1.17 mg/L	Ceriodaphnia dubia	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
N-butyl acetate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 123-86-4	COD	Non-applicable	Period	5 days
	BOD5/COD	Non-applicable	% Biodegradable	84 %
Ethyl acetate	BOD5	1.36 g O2/g	Concentration	100 mg/L
CAS: 141-78-6	COD	1.69 g O2/g	Period	14 days
	BOD5/COD	0.8	% Biodegradable	83 %

12.3 Bioaccumulative potential:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification		Bioaccumulation potential	
N-butyl acetate	BCF	4	
CAS: 123-86-4	Pow Log	1.78	
	Potential	Low	
Ethyl acetate	BCF	30	
CAS: 141-78-6	Pow Log	0.73	
	Potential	Moderate	
Reaction mass of ethylbenzene and m-xylene and p-xylene	BCF	9	
CAS: Non-applicable	Pow Log	2.77	
	Potential	Low	

12.4 Mobility in soil:

Identification	Absorp	Absorption/desorption		Volatility	
Dimethyl ether	Koc	Non-applicable	Henry	Non-applicable	
CAS: 115-10-6	Conclusion	Non-applicable	Dry soil	Non-applicable	
	Surface tension	1.136E-2 N/m (77 °F)	Moist soil	Non-applicable	
N-butyl acetate	Koc	Non-applicable	Henry	Non-applicable	
CAS: 123-86-4	Conclusion	Non-applicable	Dry soil	Non-applicable	
	Surface tension	2.478E-2 N/m (77 °F)	Moist soil	Non-applicable	
Ethyl acetate	Koc	59	Henry	13.58 Pa·m³/mol	
CAS: 141-78-6	Conclusion	Very High	Dry soil	Yes	
	Surface tension	2.324E-2 N/m (77 °F)	Moist soil	Yes	

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See epigraph 6.2.

Regulations related to waste management:

Legislation related to waste management:

40 CFR Part 261- IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to 49 CFR on the Transport of Dangerous Goods:

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Safety data sheet according to 29 CFR 1910.1200

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SECTION 14: TRANSPORT INFORMATION (continued)



14.1 UN number: UN1950 **14.2 UN proper shipping name:** AEROSOLS

14.3 Transport hazard class(es): 2 Labels: 2.1

14.4 Packing group, if applicable: N/A **14.5 Marine pollutant:** No

14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises

Physico-Chemical properties: see section 9

14.7 Transport in bulk (according Non-applicable to Annex II of MARPOL 73/78 and the IBC Code):

Transport of dangerous goods by sea:

With regard to IMDG 40-20:



14.4 Packing group, if applicable: N/A **14.5 Marine pollutant:** No

14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises

Special regulations: 63, 959, 190, 277, 327, 344

EmS Codes: F-D, S-U
Physico-Chemical properties: see section 9

Limited quantities: 1 L

Segregation group: Non-applicable

14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):

Transport of dangerous goods by air:

With regard to IATA/ICAO 2023:



14.1 UN number: UN1950
14.2 UN proper shipping name: AEROSOLS
14.3 Transport hazard class(es): 2

Labels: 2.1

14.4 Packing group, if applicable: N/A

14.5 Marine pollutant: No

14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises

Physico-Chemical properties: see section 9 **14.7 Transport in bulk (according** Non-applicable

to Annex II of MARPOL 73/78 and the IBC Code):

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question:

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SECTION 15: REGULATORY INFORMATION (continued)

- CALIFORNIA LABOR CODE The Hazardous Substances List: N-butyl acetate (123-86-4); Ethyl acetate (141-78-6); Reaction mass of ethylbenzene and m-xylene and p-xylene (Non-applicable)
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) Birth defects or other reproductive harm: Non-applicable
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) Cancer: applicable
- CANADA-Domestic Substances List (DSL): Dimethyl ether (115-10-6); N-butyl acetate (123-86-4); Ethyl acetate (141-78-6)
- CANADA-Non-Domestic Substances List (NDSL): Dialuminium strontium tetraoxide (12004-37-4)
- Hazardous Air Pollutants (Clean Air Act): Non-applicable
- Massachusetts RTK Substance List: Dimethyl ether (115-10-6); N-butyl acetate (123-86-4); Ethyl acetate (141-78-6); Reaction mass of ethylbenzene and m-xylene and p-xylene (Non-applicable)
- Minnesota Hazardous substances ERTK: Dimethyl ether (115-10-6); N-butyl acetate (123-86-4); Ethyl acetate (141-78-6); Reaction mass of ethylbenzene and m-xylene and p-xylene (Non-applicable)
- New Jersey Worker and Community Right-to-Know Act: Dimethyl ether (115-10-6); N-butyl acetate (123-86-4); Ethyl acetate (141-78-6); Reaction mass of ethylbenzene and m-xylene and p-xylene (Non-applicable)
- New York RTK Substance list: Dimethyl ether (115-10-6); N-butyl acetate (123-86-4); Ethyl acetate (141-78-6); Reaction mass of ethylbenzene and m-xylene and p-xylene (Non-applicable)
- NTP (National Toxicology Program): Non-applicable
- OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Non-applicable
- Pennsylvania Worker and Community Right-to-Know Law: Dimethyl ether (115-10-6); N-butyl acetate (123-86-4); Ethyl acetate (141-78-6)
- Rhode Ìsland Hazardous substances RTK: *N-butyl acetate (123-86-4*); *Ethyl acetate (141-78-6)*
- The Toxic Substances Control Act (TSCA): Dimethyl ether (115-10-6); N-butyl acetate (123-86-4); Dialuminium strontium tetraoxide (12004-37-4); Ethyl acetate (141-78-6)
- Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): Non-applicable Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: N-butyl acetate (5000 pounds); Ethyl acetate (5000 pounds)

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

Take into consideration other applicable federal, state, and local laws and local regulations.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

Texts of the legislative phrases mentioned in section 2:

H336: May cause drowsiness or dizziness.

H315: Causes skin irritation.

H222: Extremely flammable aerosol.

H319: Causes serious eve irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

29 CFR 1910.1200:

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Eye Irrit. 2A: H319 - Causes serious eye irritation.

Flam. Gas 1A: H220 - Extremely flammable gas.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Flam. Liq. 3: H226 - Flammable liquid and vapour. Press. Gas: H280 - Contains gas under pressure, may explode if heated.

Skin Irrit. 2: H315 - Causes skin irritation.

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.

STOT SE 3: H335 - May cause respiratory irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness.

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

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SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

Occupational Safety & Health Administration (OSHA).

Abbreviations and acronyms:

IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor LD50: Lethal Dose 50 CL50: Lethal Concentration 50 EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon IARC: International Agency for Research on Cancer

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END OF SAFETY DATA SHEET

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