

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 3/1/2021 Revision date: 12/9/2022 Supersedes: 4/22/2022 Version: 2.0

SECTION 4. Identification	
SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Trade name	: Z-PLATE ™ Aerosol
1.2. Recommended use and restrictions or	n use
No additional information available	
1.3. Supplier	
Whitmore Manufacturing LLC	
930 Whitmore Drive Rockwall, Texas, 75087	
USA	
T 1.972.771.1000	
Regulatory@whitmores.com - www.jetlube.com	
1.4. Emergency telephone number	
Emergency number	: For Chemical Emergency Call CHEMTREC 24hr/day 7days/week Within USA and Canada: 1.800.424.9300 Outside USA and Canada: +1.703.527.3887 (collect calls accepted)

2.1. Classification of the substance or mixture

#### **GHS US classification**

Flammable aerosol Category 1	H222	Extremely flammable aerosol
Serious eye damage/eye irritation Category 2A	H319	Causes serious eye irritation
Carcinogenicity Category 2	H351	Suspected of causing cancer
Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs through prolonged or repeated exposure

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

#### **GHS US labeling**

Hazard pictograms (GHS US)

Signal word (GHS US) Hazard statements (GHS US)

Precautionary statements (GHS US)

- : Danger
- : H222 Extremely flammable aerosol
- H319 Causes serious eye irritation H351 - Suspected of causing cancer
- H351 Suspected of causing cancer
- H373 May cause damage to organs through prolonged or repeated exposure
- : P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- 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 Pressurized container: Do not pierce or burn, even after use.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P264 Wash hands, forearms and face thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove
- contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 If exposed or concerned: Get medical advice/attention.
- P314 Get medical advice/attention if you feel unwell.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P405 Store locked up.
  - P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 Dispose of contents/container to hazardous or special waste collection point, in
- accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

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#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

#### **SECTION 3: Composition/Information on ingredients**

3.1. Substances

Not applicable

Name	Product identifier	%	GHS US classification
acetone	CAS-No.: 67-64-1	10 – 20	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Methyl ethyl ketone	CAS-No.: 78-93-3	5 – 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
methyl propyl ketone	CAS-No.: 107-87-9	2 – 5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319
Aluminum (Note T)	CAS-No.: 7429-90-5	1 – 2	Acute Tox. 3 (Inhalation:dust,mist), H331 STOT RE 2, H373
Ethylbenzene	CAS-No.: 100-41-4	0.1640091 - 1.1290691	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304

Note T : This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures		
4.1. Description of first aid measures		
First-aid measures general	: If exposed or concerned: Get medical advice/attention.	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.	
First-aid measures after skin contact	: Wash skin with plenty of water.	
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.	
4.2. Most important symptoms and effect	ts (acute and delayed)	
Symptoms/effects after eye contact	: Eye irritation.	
4.3. Immediate medical attention and special treatment, if necessary		
Treat symptomatically.		
SECTION 5: Fire-fighting measures		
5.1. Suitable (and unsuitable) extinguishing media		
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.	
5.2. Specific hazards arising from the chemical		
Fire hazard	: Extremely flammable aerosol.	

Hazardous decomposition products in case of fire	: Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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Emergency procedures       Exercise caution. Spill area may be slippery. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.         6.1.2. For emergency responders       Protective equipment       Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.2. Environmental precautions       Avoid release to the environment.         6.3. Methods and material for containment and cleaning up       Mechanically recover the product. Notify authorities if product enters sewers or public waters.         Other information       : Dispose of materials or solid residues at an authorized site.         6.4. Reference to other sections	6.1. Personal precautions, protective ec 6.1.1. For non-emergency personnel	
Protective equipment       Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.2. Environmental precautions         Avoid release to the environment.         6.3. Methods and material for containment and cleaning up         Methods for cleaning up       : Mechanically recover the product. Notify authorities if product enters sewers or public waters.         Other information       : Dispose of materials or solid residues at an authorized site.         6.4. Reference to other sections	<b>C F</b>	
column 1       to section 8: "Exposure controls/personal protection".         6.2. Environmental precautions         Avoid release to the environment.         6.3. Methods and material for containment and cleaning up         Methods for cleaning up       : Mechanically recover the product. Notify authorities if product enters sewers or public waters.         Other information       : Dispose of materials or solid residues at an authorized site.         6.4. Reference to other sections	6.1.2. For emergency responders	
Avoid release to the environment.         6.3. Methods and material for containment and cleaning up         Methods for cleaning up       Mechanically recover the product. Notify authorities if product enters sewers or public waters.         Other information       Dispose of materials or solid residues at an authorized site.         6.4. Reference to other sections       Event	Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.3. Methods and material for containment and cleaning up         Methods for cleaning up       : Mechanically recover the product. Notify authorities if product enters sewers or public waters.         Other information       : Dispose of materials or solid residues at an authorized site.         6.4. Reference to other sections       : Dispose of materials or solid residues at an authorized site.	6.2. Environmental precautions	
Methods for cleaning up: Mechanically recover the product. Notify authorities if product enters sewers or public waters.Other information: Dispose of materials or solid residues at an authorized site.6.4. Reference to other sections	Avoid release to the environment.	
Other information       : Dispose of materials or solid residues at an authorized site.         6.4. Reference to other sections	6.3. Methods and material for containme	ent and cleaning up
6.4. Reference to other sections	Methods for cleaning up	: Mechanically recover the product. Notify authorities if product enters sewers or public waters.
	Other information	: Dispose of materials or solid residues at an authorized site.
For further information refer to section 13	6.4. Reference to other sections	
	For further information refer to section 13.	
	SECTION 7: Handling and storage	
	7.1. Precautions for safe handling	

7.1. Precautions for safe handling		
Precautions for safe handling	: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.	
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions	: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep cool.	

#### SECTION 8: Exposure controls/personal protection 8.1. Control parameters

8.1. Control parameters		
Z-PLATE™ Aerosol		
No additional information available		
Aluminum (7429-90-5)		
USA - ACGIH - Occupational Exposure Lin	nits	
Local name	Aluminum metal and insoluble compounds	
ACGIH OEL TWA	1 mg/m <sup>3</sup> (R - Respirable particulate matter)	
Remark (ACGIH)	TLV® Basis: Pneumoconiosis; LRT irr; neurotoxicity. Notations: A4 (Not classifiable as a Human Carcinogen)	
Regulatory reference	ACGIH 2021	
USA - OSHA - Occupational Exposure Limits		
Local name	Aluminum Metal (as Al)	
OSHA PEL (TWA) [1]	15 mg/m <sup>3</sup> (Total dust) 5 mg/m <sup>3</sup> (Respirable fraction)	
egulatory reference (US-OSHA) OSHA Annotated Table Z-1		
methyl propyl ketone (107-87-9)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Methyl propyl ketone	
ACGIH OEL STEL [ppm]	150 ppm	
Remark (ACGIH)	TLV® Basis: Pulm func; eye irr	

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methyl propyl ketone (107-87-9)		
Regulatory reference	ACGIH 2021	
USA - OSHA - Occupational Exposure Limits		
Local name	2-Pentanone (Methyl propyl ketone)	
OSHA PEL (TWA) [1]	700 mg/m <sup>3</sup>	
OSHA PEL (TWA) [2]	200 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
Ethylbenzene (100-41-4)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Ethylbenzene	
ACGIH OEL TWA [ppm]	20 ppm	
Remark (ACGIH)	TLV® Basis: URT irr; kidney dam (nephropathy); cochlear impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI	
Regulatory reference	ACGIH 2021	
USA - OSHA - Occupational Exposure Limits		
Local name	Ethyl benzene	
OSHA PEL (TWA) [1]	435 mg/m <sup>3</sup>	
OSHA PEL (TWA) [2]	100 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
acetone (67-64-1)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Acetone	
ACGIH OEL TWA [ppm]	250 ppm	
ACGIH OEL STEL [ppm]	500 ppm	
Remark (ACGIH)	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI	
Regulatory reference	ACGIH 2021	
USA - OSHA - Occupational Exposure Limits		
Local name	Acetone	
OSHA PEL (TWA) [1]	2400 mg/m <sup>3</sup>	
OSHA PEL (TWA) [2]	1000 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
Methyl ethyl ketone (78-93-3)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Methyl ethyl ketone (MEK)	
ACGIH OEL TWA [ppm]	200 ppm	
ACGIH OEL STEL [ppm]	300 ppm	
Remark (ACGIH)	TLV® Basis: URT irr; CNS & PNS impair. Notations: BEI	
Regulatory reference	ACGIH 2021	
USA - OSHA - Occupational Exposure Limits		
Local name	2-Butanone (Methyl ethyl ketone)	
OSHA PEL (TWA) [1]	590 mg/m³	

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Methyl ethyl ketone (78	8-93-3)			
OSHA PEL (TWA) [2]		200 ppm		
Regulatory reference (US-C	OSHA)	OSHA Annotated Table Z-1		
8.2. Appropriate engine				
Appropriate engineering con		Ensure good ventilation of the v	vork station.	
Environmental exposure con		Avoid release to the environme		
8.3. Individual protectio		protective equipment		
Hand protection:	•	•••		
Neoprene or nitrile rubber g	gloves			
Туре	Material	Permeation	Thickness (mm)	Penetration
Disposable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	6 (> 480 minutes)	> 0.6 mm	
Eye protection:				
Chemical goggles or safety	glasses			
Skin and body protection:	:			
Wear suitable protective clo	othing			
Respiratory protection:				
	ation, wear suitable respirate	ory equipment		
SECTION 9: Physical 9.1. Information on basi Physical state	ic physical and chemic	al properties		
9.1. Information on basi Physical state	ic physical and chemic			
9.1. Information on basi Physical state Appearance	ic physical and chemic	<b>al properties</b> Liquid		
9.1. Information on basi Physical state Appearance Color	ic physical and chemic	<b>al properties</b> Liquid Aerosols.		
<b>9.1. Information on basi</b> Physical state Appearance Color Odor	ic physical and chemic	<b>al properties</b> Liquid Aerosols. Gray		
<b>9.1. Information on basi</b> Physical state Appearance Color Odor Odor threshold	ic physical and chemic	<b>al properties</b> Liquid Aerosols. Gray solvent-like		
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9.1. Information on basi Physical state Appearance Color Odor Odor threshold oH Melting point Freezing point	ic physical and chemic	al properties Liquid Aerosols. Gray solvent-like No data available No data available Not applicable		
9.1. Information on basi Physical state Appearance Color Odor Odor threshold pH Melting point Freezing point Boiling point	ic physical and chemic	al properties Liquid Aerosols. Gray solvent-like No data available No data available Not applicable No data available		
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9.1. Information on basi Physical state Appearance Color Odor Odor threshold pH Melting point Freezing point Boiling point Flash point Relative evaporation rate (bu Flammability (solid, gas)	ic physical and chemic	al properties Liquid Aerosols. Gray solvent-like No data available No data available No data available No data available No data available -16 °C No data available		
9.1. Information on basi Physical state Appearance Color Odor Odor threshold pH Melting point Freezing point Boiling point Flash point Relative evaporation rate (bu Flammability (solid, gas) Vapor pressure	ic physical and chemic	al properties Liquid Aerosols. Gray solvent-like No data available No data available Not applicable No data available No data available -16 °C No data available Extremely flammable aerosol.		
9.1. Information on basi Physical state Appearance Color Odor Odor threshold pH Melting point Freezing point Boiling point Flash point Relative evaporation rate (bu Flammability (solid, gas) Vapor pressure Relative vapor density at 20°	ic physical and chemic	al properties Liquid Aerosols. Gray solvent-like No data available No data available Not applicable No data available No data available -16 °C No data available Extremely flammable aerosol. No data available		
9.1. Information on basi Physical state Appearance Color Odor Odor threshold pH Melting point Freezing point Boiling point Flash point Relative evaporation rate (bu Flammability (solid, gas) Vapor pressure Relative vapor density at 20° Relative density	ic physical and chemic : : : : : : : : : : : : : : : : : : :	al properties Liquid Aerosols. Gray solvent-like No data available No data available No data available No data available No data available -16 °C No data available Extremely flammable aerosol. No data available		
9.1. Information on basi Physical state Appearance Color Odor Odor threshold pH Melting point Freezing point Boiling point Flash point Relative evaporation rate (bu Flammability (solid, gas) Vapor pressure Relative vapor density at 20° Relative density Solubility	ic physical and chemic utyl acetate=1)	al properties Liquid Aerosols. Gray solvent-like No data available No data available No data available No data available -16 °C No data available Extremely flammable aerosol. No data available No data available No data available No data available		
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9.1. Information on basi Physical state Appearance Color Odor Odor threshold oH Melting point Freezing point Boiling point Flash point Relative evaporation rate (bu Flammability (solid, gas) Vapor pressure Relative vapor density at 20° Relative density Solubility Partition coefficient n-octano Auto-ignition temperature	ic physical and chemic	al properties Liquid Aerosols. Gray solvent-like No data available No data available No data available No data available -16 °C No data available Extremely flammable aerosol. No data available No data available No data available No data available No data available No data available No data available		
9.1. Information on basi Physical state Appearance Color Odor Odor threshold pH Melting point Freezing point Boiling point Flash point Relative evaporation rate (bu Flammability (solid, gas) Vapor pressure Relative vapor density at 20° Relative density Solubility Partition coefficient n-octano Auto-ignition temperature Decomposition temperature	ic physical and chemic	al properties Liquid Aerosols. Gray solvent-like No data available No data available Not applicable No data available No data available -16 °C No data available Extremely flammable aerosol. No data available No data available No data available No data available No data available No data available No data available		
<b>9.1. Information on basi</b> Physical state         Physical state         Appearance         Color         Odor         Odor threshold         DH         Melting point         Freezing point         Boiling point         Flash point         Relative evaporation rate (but state)         Vapor pressure         Relative vapor density at 20°         Relative density         Solubility         Partition coefficient n-octano         Auto-ignition temperature         Decomposition temperature         Viscosity, kinematic	ic physical and chemic utyl acetate=1) °C bl/water (Log Pow)	al properties Liquid Aerosols. Gray solvent-like No data available No data available No data available No data available -16 °C No data available Extremely flammable aerosol. No data available No data available		
9.1. Information on basi Physical state Appearance Color Odor Odor threshold pH Melting point Freezing point Boiling point Flash point Relative evaporation rate (bu Flammability (solid, gas) Vapor pressure Relative vapor density at 20° Relative density Solubility Partition coefficient n-octano Auto-ignition temperature Decomposition temperature Viscosity, kinematic Viscosity, dynamic	ic physical and chemic utyl acetate=1) °C bl/water (Log Pow)	al properties Liquid Aerosols. Gray solvent-like No data available No data available No data available No data available -16 °C No data available Extremely flammable aerosol. No data available No data available		
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SECTION 10: Stability and reactivity		
10.1. Reactivity		
Extremely flammable aerosol.		
10.2. Chemical stability Stable under normal conditions.		
10.3. Possibility of hazardous reactions No dangerous reactions known under normal conditions of use.		
10.4. Conditions to avoid		
Avoid contact with hot surfaces. Heat. No flames, no	o sparks. Eliminate all sources of ignition.	
10.5. Incompatible materials		
No additional information available		
<b>10.6. Hazardous decomposition products</b> Under normal conditions of storage and use. hazard	lous decomposition products should not be produced.	
<b>SECTION 11: Toxicological information</b>	า	
11.1. Information on toxicological effects		
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	
Aluminum (7429-90-5)		
LD50 oral rat	> 15900 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
LC50 Inhalation - Rat	> 0.888 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)	
LC50 Inhalation - Rat (Dust/Mist)	> 0.888 mg/l Source: ECHA	
ATE US (dust, mist)	0.5 mg/l/4h	
methyl propyl ketone (107-87-9)		
LD50 oral rat	1600 – 3200 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
LC50 Inhalation - Rat	> 25.5 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method)	
ATE US (oral)	1600 mg/kg body weight	
Ethylbenzene (100-41-4)		
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral)	
LD50 dermal rabbit	15432 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal)	
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))	
ATE US (oral)	3500 mg/kg body weight	
ATE US (dermal)	15432 mg/kg body weight	
ATE US (gases)	4500 ppmV/4h	
ATE US (vapors)	17.8 mg/l/4h	
ATE US (dust, mist)	1.5 mg/l/4h	
acetone (67-64-1)		
LD50 oral rat	5800 mg/kg body weight Animal: rat, Animal sex: female	
LD50 dermal rabbit	20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal)	
LC50 Inhalation - Rat	76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4	
LC50 Inhalation - Rat (Vapours)	76 mg/l Source: ECHA	
ATE US (oral)	5800 mg/kg body weight	
ATE US (dermal)	20000 mg/kg body weight	
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Methyl ethyl ketone (78-93-3)		
LD50 oral rat	2193 mg/kg body weight (Equivalent or similar to OECD 423, Rat, Male / female, Read-across, Oral)	
LD50 dermal rabbit	> 10 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal)	
LC50 Inhalation - Rat (Vapours)	34.5 mg/l/4h	
ATE US (oral)	2193 mg/kg body weight	
ATE US (vapors)	34.5 mg/l/4h	
Skin corrosion/irritation	: Not classified	
methyl propyl ketone (107-87-9)		
рН	No data available in the literature	
acetone (67-64-1)		
рН	7 (10 g/l)	
Serious eye damage/irritation	: Causes serious eye irritation.	
methyl propyl ketone (107-87-9)		
рН	No data available in the literature	
acetone (67-64-1)		
рН	7 (10 g/l)	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Suspected of causing cancer.	
Ethylbenzene (100-41-4)		
IARC group	2B - Possibly carcinogenic to humans	
Reproductive toxicity	: Not classified	
Aluminum (7429-90-5)		
NOAEL (animal/male, F0/P)	1000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
acetone (67-64-1)		
LOAEL (animal/female, F0/P)	11298 mg/kg body weight Animal: mouse, Animal sex: female	
	The set of	
NOAEL (animal/male, F0/P)	900 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)	
NOAEL (animal/male, F0/P) STOT-single exposure	900 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Generation	
	900 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)	
STOT-single exposure	900 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)	
STOT-single exposure acetone (67-64-1)	<ul> <li>900 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)</li> <li>: Not classified</li> </ul>	
STOT-single exposure acetone (67-64-1) STOT-single exposure	<ul> <li>900 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)</li> <li>: Not classified</li> </ul>	
STOT-single exposure acetone (67-64-1) STOT-single exposure Methyl ethyl ketone (78-93-3)	900 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)         : Not classified         May cause drowsiness or dizziness.	
STOT-single exposure acetone (67-64-1) STOT-single exposure Methyl ethyl ketone (78-93-3) STOT-single exposure	900 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)         : Not classified         May cause drowsiness or dizziness.         May cause drowsiness or dizziness.	
STOT-single exposure acetone (67-64-1) STOT-single exposure Methyl ethyl ketone (78-93-3) STOT-single exposure STOT-repeated exposure	900 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)         : Not classified         May cause drowsiness or dizziness.         May cause drowsiness or dizziness.	

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Ethylbenzene (100-41-4)	
NOAEL (oral,rat,90 days)	75 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
/iscosity, kinematic	: No data available
Aluminum (7429-90-5)	
Viscosity, kinematic	Not applicable (solid)
methyl propyl ketone (107-87-9)	
Viscosity, kinematic	No data available in the literature
Ethylbenzene (100-41-4)	
Viscosity, kinematic	0.773 mm <sup>2</sup> /s (20 °C, OECD 114: Viscosity of Liquids)
acetone (67-64-1)	
Viscosity, kinematic	0.417 mm²/s
Methyl ethyl ketone (78-93-3)	
Viscosity, kinematic	0.494 mm²/s
Symptoms/effects after eye contact	: Eye irritation.
<b>12.1. Toxicity</b> Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Aluminum (7429-90-5)	
EC50 72h - Algae [1]	1.05 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
methyl propyl ketone (107-87-9)	
LC50 - Fish [1]	1210 mg/l
EC50 - Crustacea [1]	> 110 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 150 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	> 150 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
Ethylbenzene (100-41-4)	
· · · ·	
LC50 - Fish [1]	3.7 mg/l
	3.7 mg/l           0.42 mg/l
LC50 - Fish [1] EC50 - Crustacea [1] EC50 72h - Algae [1]	
EC50 - Crustacea [1] EC50 72h - Algae [1]	0.42 mg/l
EC50 - Crustacea [1] EC50 72h - Algae [1] EC50 72h - Algae [2]	0.42 mg/l 4.9 mg/l Test organisms (species): Skeletonema costatum 5.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names:
EC50 - Crustacea [1] EC50 72h - Algae [1] EC50 72h - Algae [2]	0.42 mg/l         4.9 mg/l Test organisms (species): Skeletonema costatum         5.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [1] EC50 72h - Algae [2] EC50 96h - Algae [1]	0.42 mg/l         4.9 mg/l Test organisms (species): Skeletonema costatum         5.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)         7.7 mg/l Test organisms (species): Skeletonema costatum         3.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names:

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Ethylbenzene (100-41-4)	
NOEC chronic crustacea	0.956 mg/l
acetone (67-64-1)	
LC50 - Fish [1]	5540 mg/l (EU Method C.1, 96 h, Salmo gairdneri, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 96h - Algae [1]	> 7000 mg/l (Selenastrum capricornutum, Static system, Fresh water, Experimental value, Nominal concentration)
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Methyl ethyl ketone (78-93-3)	
LC50 - Fish [1]	2993 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	308 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1972 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	2029 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	1972 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
NOEC chronic algae	93 mg/l
12.2. Persistence and degradability	
Aluminum (7429-90-5)	
Not rapidly degradable	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
methyl propyl ketone (107-87-9)	
Not rapidly degradable	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Ethylbenzene (100-41-4)	
Not rapidly degradable	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.44 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.1 g O <sub>2</sub> /g substance
ThOD	3.17 g O <sub>2</sub> /g substance
acetone (67-64-1)	
Not rapidly degradable	
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.43 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.92 g O <sub>2</sub> /g substance
ThOD	2.2 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.872 (20 day(s), Literature study)

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Methyl ethyl ketone (78-93-3)	
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	2.03 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.31 g O <sub>2</sub> /g substance
ThOD	2.44 g O <sub>2</sub> /g substance
12.3. Bioaccumulative potential	
methyl propyl ketone (107-87-9)	
Partition coefficient n-octanol/water (Log Pow)	0.857 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Ethylbenzene (100-41-4)	
BCF - Fish [1]	1 – 2.4 (Other, 6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
acetone (67-64-1)	
BCF - Fish [1]	0.69 (Pisces)
BCF - Other aquatic organisms [1]	3 (BCFWIN, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	-0.24 (Test data)
Bioaccumulative potential	Not bioaccumulative.
Methyl ethyl ketone (78-93-3)	
Partition coefficient n-octanol/water (Log Pow)	0.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 40 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
12.4. Mobility in soil	
Aluminum (7429-90-5)	
Surface tension	900 mN/m (700 °C)
Ecology - soil	Adsorbs into the soil.
methyl propyl ketone (107-87-9)	
Surface tension	23.87 mN/m (20 °C, 100 %, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.915 – 1.624 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.
Ethylbenzene (100-41-4)	
Surface tension	0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.
acetone (67-64-1)	
Surface tension	0.0237 N/m

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Methyl ethyl ketone (78-93-3)	
Surface tension 0.024 N/m (20 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.53 (log Koc, Calculated value)
Ecology - soil	Highly mobile in soil. Slightly harmful to plants.
12.5. Other adverse effects	

No additional information available

### **SECTION 13: Disposal considerations**

13.1. Disposal methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

#### SECTION 14: Transport information In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	ΙΑΤΑ	
14.1. UN number		1	I	
1950	UN1950	1950	1950	
14.2. Proper Shipping Name				
Aerosols, flammable, n.o.s.	AEROSOLS	AEROSOLS	Aerosols, flammable	
Transport document description				
UN1950 Aerosols, flammable, n.o.s., 2.1	UN1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.7	
14.3. Transport hazard class(es	;)			
2.1	2.1	2.1	2.1	
PLANMARKE GR				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: N	
No supplementary information availab	le			
4.6. Special precautions for us	er			
UN-No.(DOT) : UN1950		of this subshantar for allocation arits	via far flammahla aaraaala	
OOT Special Provisions (49 CFR 172.		: N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.		
OOT Packaging Exceptions (49 CFR 1 OOT Packaging Non Bulk (49 CFR 17		: 306		
OOT Quantity Limitations Passenger a 49 CFR 173.27)	ircraft/rail : Forbidden			
OOT Quantity Limitations Cargo aircra CFR 175.75)	ft only (49 : 150 kg			
OOT Vessel Stowage Location	: A - The material may passenger vessel.	y be stowed "on deck" or "under deck"	on a cargo vessel and on a	
OOT Vessel Stowage Other	: 25 - Protected from s	sources of heat,87 - Stow "separated f gregation same as for Class 9, miscella	rom" Class 1 (explosives) except	

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UN-No. (TDG)         : UN1950           TDG Special Provisions         80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport these dangerous goods unless they are in a means of containment, 107. (1) These dangerous goods unless they are in a means of containment, 107. (1) These Regulations, except for Part 1. (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2. (Classification), do not apply to the handling differing for containment, 107. (1) These dangerous goods included in (Cases 2.1 or Class 2.2 and that are timesported an a read vehicle, a railway vehicle or a vessel on a domaelic voyage, if the aerosols or gas cartifidges have a capacity less than or equal to 50 mL.           Explosive Limit and Limited Quantity Index         : 1.1           Explosive Limit and Limited Quantity Index         : 1.0           Explosive Limit and Limited Quantity Index         : 1.0           Explosive Limit and Limited Quantities (IMDG)         : 60           Passenger Carrying Road Vehicle or Passenger         : 75 L           Excepted quantities (IMDG)         : 60           Packing instructions (IMDG)         : 9207, LP200           Packing instructions (IMDG)         : 9207, LP200           Packing instructions (	TDG	
Provisions and Special Cases), a person must not offer for transport transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment), 107 - (1) These Regulations, excerpt for Part 1 (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDCES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a raiway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defence spray.Explosive Limit and Limited Quantity Index: 1 LExplosive Limit and Limited Quantity Index: 5 LExplosive Limit and Limited Quantity Index: 1 LExplosive Limit and Undex: 5 LPassenger Carrying Railway Vehicle I reassenger: 75 LCarrying Railway Vehicle Index: 1 LExplosive Limit (MDG): 63, 190, 277, 327, 344, 381, 959Limited quantities (IMDG): 9 P207, LP200Packing instructions (IMDG): P207, LP200Packing instructions (IMDG): S - 0 - FIRE SCHEDULE Delta - FLAMMABLE GASESEmS-No. (Fire): S - 0 - SPILLAGE SCHEDULE Delta - FLAMMABLE, TOXIC OR CORROSIVE)Stowage category (IMDG): S VU, SW22Segregation (IMDG): S 203PCA Limited quantities (IATA): 2003PCA Limited quantities (IATA): 2003PCA acting instructions (IATA): 2003PCA packing instructions (IATA): 2003PCA acaring instructions (IATA): 203 <td>UN-No. (TDG)</td> <td>: UN1950</td>	UN-No. (TDG)	: UN1950
Excepted quantities (TDG): E0Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index:75 LSpecial provision (IMDG): 63, 190, 277, 327, 344, 381, 959Limited quantities (IMDG): SP277Excepted quantities (IMDG): E0Packing instructions (IMDG): P207, LP200Packing provisions (IMDG): P207, LP200Packing provisions (IMDG): P47, L2EmS-No. (Fire): F-D - FIRE SCHEDULE Delta - FLAMMABLE GASESEmS-No. (Spillage): S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)Stowage category (IMDG): SW1, SW22Segregation (IMDG): SG69IATAPCA Excepted quantities (IATA): E0PCA Limited quantities (IATA): Y203PCA limited quantities (IATA): Y203PCA aking instructions (IATA): 203PCA paking instructions (IATA): 203PCA max net quantity (IATA): 105kgSpecial provision (IATA): 203CAO max net quantity (IATA): 2103CAO paking instructions (IATA): 203CAO max net quantity (IATA): 2105kgSpecial provision (IATA): 2103CAO paking instructions (IATA): 2103CAO paking instructions (IATA): 2103CAO paking instructions (IATA): 2103CAO paking instructions (IAT	TDG Special Provisions	Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment),107 - (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL.
Passenger Carrying Railway Vehicle or Passenger Carrying Railway Vehicle Index: 75 LIMDG:Special provision (IMDG): 63, 190, 277, 327, 344, 381, 959Limited quantities (IMDG): SP277Excepted quantities (IMDG): E0Packing instructions (IMDG): P207, LP200Packing provisions (IMDG): PP87, L2EmS-No. (Fire): F-D - FIRE SCHEDULE Delta - FLAMMABLE GASESEmS-No. (Spillage): S-U - SPILLAGE SCHEDULE Delta - FLAMMABLE, TOXIC OR CORROSIVE)Stowage category (IMDG): NoneStowage and handling (IMDG): SW1, SW22Segregation (IMDG): SW1, SW22Segregation (IMDG): SG69IATA: 203PCA Excepted quantities (IATA): 203PCA limited quantities (IATA): 203PCA max net quantity (IATA): 203PCA max net quantity (IATA): 203PCA packing instructions (IATA): 203PCA max net quantity (IATA): 150kgSpecial provision (IATA): 10k	Explosive Limit and Limited Quantity Index	:1L
Carrying Railway Vehicle Index         MDG         Special provision (IMDG)       : 63, 190, 277, 327, 344, 381, 959         Limited quantities (IMDG)       : SP277         Excepted quantities (IMDG)       : E0         Packing instructions (IMDG)       : P207, LP200         Packing provisions (IMDG)       : PP87, L2         EmS-No. (Fire)       : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES         EmS-No. (Spillage)       : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)         Stowage category (IMDG)       : SW1, SW22         Segregation (IMDG)       : SG69         IATA       : S0         PCA Excepted quantities (IATA)       : E0         PCA Limited quantities (IATA)       : 203         PCA Limited quantities (IATA)       : 203         PCA packing instructions (IATA)       : 75kg         CAO max net quantity (IATA)       : 203         PCA max net quantity (IATA)       : 203         PCA max net quantity (IATA)       : 203         PCA packing instructions (IATA)       : 203         PCA max net quantity (IATA)       : 150kg         Special provision (IATA)       : 203         PCA max net quantity (IATA)       : 150kg         Special provision (IATA)       : 203	Excepted quantities (TDG)	: E0
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Packing instructions (IMDG): P207, LP200Packing provisions (IMDG): PP87, L2EmS-No. (Fire): F-D - FIRE SCHEDULE Delta - FLAMMABLE GASESEmS-No. (Spillage): S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)Stowage category (IMDG): NoneStowage and handling (IMDG): SW1, SW22Segregation (IMDG): SG69IATAPCA Excepted quantities (IATA): E0PCA Limited quantities (IATA): Y203PCA limited quantities (IATA): 30kgGPCA packing instructions (IATA): 203PCA packing instructions (IATA): 75kgCAO packing instructions (IATA): 150kgSpecial provision (IATA): A145, A167, A802ERG code (IATA): 10L	Limited quantities (IMDG)	: SP277
Packing provisions (IMDG): PP87, L2EmS-No. (Fire): F-D - FIRE SCHEDULE Delta - FLAMMABLE GASESEmS-No. (Spillage): S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)Stowage category (IMDG): NoneStowage and handling (IMDG): SW1, SW22Segregation (IMDG): SG69IATAPCA Excepted quantities (IATA): E0PCA Limited quantities (IATA): Y203PCA limited quantities (IATA): 30kgGPCA packing instructions (IATA): 203PCA packing instructions (IATA): 203CAO packing instructions (IATA): 150kgSpecial provision (IATA): 10L	Excepted quantities (IMDG)	: E0
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PCA Limited quantities (IATA): Y203PCA limited quantity max net quantity (IATA): 30kgGPCA packing instructions (IATA): 203PCA max net quantity (IATA): 75kgCAO packing instructions (IATA): 203CAO packing instructions (IATA): 203CAO max net quantity (IATA): 203CAO max net quantity (IATA): 415kgSpecial provision (IATA): 150kgERG code (IATA): 10L		
PCA limited quantity max net quantity (IATA): 30kgGPCA packing instructions (IATA): 203PCA max net quantity (IATA): 75kgCAO packing instructions (IATA): 203CAO max net quantity (IATA): 203CAO max net quantity (IATA): 203CAO max net quantity (IATA): 150kgSpecial provision (IATA): A145, A167, A802ERG code (IATA): 10L		
PCA packing instructions (IATA): 203PCA max net quantity (IATA): 75kgCAO packing instructions (IATA): 203CAO max net quantity (IATA): 150kgSpecial provision (IATA): A145, A167, A802ERG code (IATA): 10L		
PCA max net quantity (IATA): 75kgCAO packing instructions (IATA): 203CAO max net quantity (IATA): 150kgSpecial provision (IATA): A145, A167, A802ERG code (IATA): 10L		5
CAO packing instructions (IATA): 203CAO max net quantity (IATA): 150kgSpecial provision (IATA): A145, A167, A802ERG code (IATA): 10L		
CAO max net quantity (IATA): 150kgSpecial provision (IATA): A145, A167, A802ERG code (IATA): 10L		: 75kg
Special provision (IATA): A145, A167, A802ERG code (IATA): 10L		: 203
ERG code (IATA) : 10L		ů –
	Special provision (IATA)	: A145, A167, A802
		: 10L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

#### **SECTION 15: Regulatory information** 15.1. US Federal regulations

#### All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Aluminum	CAS-No. 7429-90-5	1 – 2%
Zinc	CAS-No. 7440-66-6	20 – 40%
Xylene	CAS-No. 1330-20-7	17.9157987 – 19.8459187%
Ethylbenzene	CAS-No. 100-41-4	0.1640091 – 1.1290691%

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Ethylbenzene (100-41-4)		
Listed on EPA Hazardous Air Pollutant (HAPS)		
CERCLA RQ	1000 lb	
acetone (67-64-1)		
CERCLA RQ	5000 lb	
Methyl ethyl ketone (78-93-3)		
Listed on EPA Hazardous Air Pollutant (HAPS)		
CERCLA RQ	5000 lb	
15.2. International regulations		
CANADA		
Aluminum (7429-90-5)		
Listed on the Canadian DSL (Domestic Substances Lis	t)	
methyl propyl ketone (107-87-9)		
Listed on the Canadian DSL (Domestic Substances Lis	t)	
Ethylbenzene (100-41-4)		
Listed on the Canadian DSL (Domestic Substances List)		
acetone (67-64-1)		
Listed on the Canadian DSL (Domestic Substances List)		
Methyl ethyl ketone (78-93-3)		
Listed on the Canadian DSL (Domestic Substances List)		
EU-Regulations No additional information available		
National regulations		
methyl propyl ketone (107-87-9)		
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on KECI (Korean Existing Chemicals Inventory)		
Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals)		
Listed on INSQ (Mexican National Inventory of Chemical Substances)		
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)		
Ethylbenzene (100-41-4)		
Listed on IARC (International Agency for Research on C	Cancer)	
Listed on IARC (International Agency for Research on V	California Devidere des Les este d'in Okines)	

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

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#### acetone (67-64-1)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on KECI (Korean Existing Chemicals Inventory) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

#### Methyl ethyl ketone (78-93-3)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

#### 15.3. US State regulations

This product can expose you to Methyl isobutyl ketone, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
Aluminum(7429-90-5)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
Zinc(7440-66-6)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
calcium oxide(1305-78-8)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
magnesium oxide(1309-48-4)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
calcium sulfate(7778-18-9)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
quartz, 1%≤conc respirable crystalline silica<10%(14808-60-7)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
methyl propyl ketone(107-87-9)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
Xylene(1330-20-7)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
Methyl isobutyl ketone(108-10-1)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
Ethylbenzene(100-41-4)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List

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Component	State or local regulations
toluene(108-88-3)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
Cumene(98-82-8)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
butyl glycolether(111-76-2)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
cyclohexane(110-82-7)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
N-methyl-2-pyrrolidone(872-50-4)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
2-ethyl hexanoic acid(149-57-5)	U.S New Jersey - Right to Know Hazardous Substance List
Diethylene glycol(111-46-6)	U.S Pennsylvania - RTK (Right to Know) List
acetone(67-64-1)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
Methyl ethyl ketone(78-93-3)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List

#### **SECTION 16: Other information**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 12/09/2022

Full text of H-phrases		
H222	Extremely flammable aerosol	
H225	Highly flammable liquid and vapor	
H226	Flammable liquid and vapor	
H304	May be fatal if swallowed and enters airways	
H319	Causes serious eye irritation	
H331	Toxic if inhaled	
H332	Harmful if inhaled	
H336	May cause drowsiness or dizziness	
H351	Suspected of causing cancer	
H373	H373 May cause damage to organs through prolonged or repeated exposure	

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.