

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Zinc Rich Primer  
Product code : 20009251

#### 1.2. Recommended use and restrictions on use

Recommended use : Anti-corrosion  
Restrictions on use : All other uses not recommended

#### 1.3. Supplier

Mercury Paint Corporation  
4808 Farragut Rd  
Brooklyn , New York 11203  
T 718-469-8787  
[info@mercurypaint.com](mailto:info@mercurypaint.com)

#### 1.4. Emergency telephone number

Emergency number : 1-800-858-8787  
For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)  
CCN 14251

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Flammable liquids Category 1	Extremely flammable liquid and vapor
Acute toxicity (dermal) Category 4	Harmful in contact with skin
Acute toxicity (inhalation:dust,mist) Category 4	Harmful if inhaled
Skin sensitization, Category 1	May cause an allergic skin reaction
Germ cell mutagenicity Category 1B	May cause genetic defects
Carcinogenicity Category 1A	May cause cancer
Specific target organ toxicity (repeated exposure) Category 2	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) : Danger  
Hazard statements (GHS US) : Extremely flammable liquid and vapor  
Harmful in contact with skin or if inhaled  
May cause an allergic skin reaction  
May cause genetic defects

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### Precautionary statements (GHS US)

May cause cancer  
May cause damage to organs through prolonged or repeated exposure  
: Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground/Bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Do not breathe mist, spray, vapors, gas.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
Call a poison center or doctor if you feel unwell.  
If exposed or concerned: Get medical advice/attention.  
In case of fire: Use media other than water to extinguish.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
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

No additional information available

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

83.35% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Zinc powder -zinc dust (stabilized)	CAS-No.: 7440-66-6	≤ 55.24	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Barium sulfate	CAS-No.: 7727-43-7	6.448 – 8.06	Not classified
Talc	CAS-No.: 14807-96-6	3.335 – 5.405	Acute Tox. 4 (Inhalation:dust,mist), H332
Aluminum	CAS-No.: 7429-90-5	4.533 – 4.782	Flam. Sol. 1, H228 Water-react. 2, H261 Aquatic Acute 2, H401
m-xylene	CAS-No.: 108-38-3	3.016 – 4.35	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Aquatic Acute 2, H401

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Name	Product identifier	%	GHS US classification
Hydrocarbons, C9, aromatics	CAS-No.: 64742-95-6	2.68	Flam. Liq. 2, H225 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
Calcium Sulfate	CAS-No.: 7778-18-9	1.656 – 1.84	Not classified
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS-No.: No data	1.428 – 1.677	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304
p-xylene	CAS-No.: 106-42-3	0.788 – 1.575	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Aquatic Acute 2, H401
Ethylbenzene	CAS-No.: 100-41-4	0.788 – 1.548	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
o-xylene	CAS-No.: 95-47-6	0.654 – 1.441	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
Quartz	CAS-No.: 14808-60-7	0.233 – 0.663	Carc. 1A, H350
2-Butanone oxime	CAS-No.: 96-29-7	0.139 – 0.14	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 1, H370 STOT SE 3, H336 STOT RE 2, H373 Aquatic Chronic 2, H411

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 aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth.

#### First-aid measures after inhalation

: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious : Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a physician immediately.

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First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: IF IN EYES: 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	: Rinse mouth and spit the fluids out. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a physician immediately.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Harmful in contact with skin.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting. Gastrointestinal disturbances.
Most Important Symptoms/Effects	: Irritation to eyes, skin and respiratory tract. May cause an allergic skin reaction. Harmful in contact with skin or if inhaled.
Chronic symptoms	: May cause cancer. May cause heritable genetic damage. Causes damage to organs through prolonged or repeated exposure.

### 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	: Carbon dioxide. Dry powder. Foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard	: Extremely flammable liquid and vapor.
Explosion hazard	: Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Hydrocarbons. Sulfur oxides. Metallic oxides.

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

Firefighting instructions	: In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Fight fire with normal precautions from a reasonable distance. Do not enter fire area without proper protective equipment, including respiratory protection. Eliminate all ignition sources if safe to do so. Get the package away from the fire if this can be done without risk.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Avoid breathing mist, spray, vapors, gas. If possible without taking personal risks, remove ignition sources, ventilate area. No open flames, no sparks, and no smoking. Prevent other non-emergency personnel from entering the danger area.

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### 6.1.2. For emergency responders

- Protective equipment : Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Ventilate spillage area. Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. All equipment used when handling the product must be grounded.

### 6.2. Environmental precautions

Very toxic to aquatic life with long lasting effects. Do not let the product reach soil, drains, sewers, or surface and ground water. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Contain with non-combustible inert absorbent.
- Methods for cleaning up : Small spill: Take up in non-combustible inert absorbent and place into container for disposal. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Use non-sparking tools. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. This material and its container must be disposed of in a safe way, and as per local legislation.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe mist, spray, vapors, gas. Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Floors, walls and other surfaces in the hazard area must be cleaned regularly.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a cool, dry and well-ventilated area away from incompatible substances. Keep only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Stored containers should be periodically checked for general condition and leakage.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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No additional information available

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<b>m-xylene (108-38-3)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	m-Xylene (1,3-Dimethylbenzene)
ACGIH OEL TWA	20 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; hematologic eff; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2024
<b>USA - ACGIH - Biological Exposure Indices</b>	
Local name	Xylenes (technical or commercial grade)
BEI	0.3 g/g Kreatinin Parameter: Methylhippuric acids (The determinants refer to the total of all isomers of methylhippuric acids) - Medium: urine - Sampling time: End of shift
Remark	Commercial or technical grade xylenes consist of mixtures of isomers and significant amounts of ethyl benzene as indicated under "Properties." Because ethyl benzene is known to reduce the metabolism of xylenes to methylhippuric acids, the BEI applies to technical or commercial grades of xylenes only. The determinants refer to the total of all isomers of methylhippuric acids
Regulatory reference	ACGIH 2024
<b>Ethylbenzene (100-41-4)</b>	
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Ethyl benzene
OSHA PEL TWA	435 mg/m <sup>3</sup> 100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>p-xylene (106-42-3)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	p-Xylene (1,4-Dimethylbenzene)
ACGIH OEL TWA	20 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; hematologic eff; ototoxicity; CNS impair. Notations: OTO (Ototoxicant); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2024
<b>USA - ACGIH - Biological Exposure Indices</b>	
Local name	Xylenes (technical or commercial grade)
BEI	0.3 g/g Kreatinin Parameter: Methylhippuric acids (The determinants refer to the total of all isomers of methylhippuric acids) - Medium: urine - Sampling time: End of shift
Remark	Commercial or technical grade xylenes consist of mixtures of isomers and significant amounts of ethyl benzene as indicated under "Properties." Because ethyl benzene is known to reduce the metabolism of xylenes to methylhippuric acids, the BEI applies to technical or commercial grades of xylenes only. The determinants refer to the total of all isomers of methylhippuric acids
Regulatory reference	ACGIH 2024

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<b>o-xylene (95-47-6)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	o-Xylene (1,2-Dimethylbenzene)
ACGIH OEL TWA	20 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; hematologic eff; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2024
<b>USA - ACGIH - Biological Exposure Indices</b>	
Local name	Xylenes (technical or commercial grade)
BEI	0.3 g/g Kreatinin Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift
Remark	Commercial or technical grade xylenes consist of mixtures of isomers and significant amounts of ethyl benzene as indicated under "Properties." Because ethyl benzene is known to reduce the metabolism of xylenes to methylhippuric acids, the BEI applies to technical or commercial grades of xylenes only. The determinants refer to the total of all isomers of methylhippuric acids
Regulatory reference	ACGIH 2024
<b>Talc (14807-96-6)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Talc
ACGIH OEL TWA	2 mg/m <sup>3</sup> (Containing no asbestos fibers. E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter) 2 mg/m <sup>3</sup> (Containing asbestos fibers. R - Respirable particulate matter) 0.1 fibers/cm <sup>3</sup> (Containing asbestos fibers. F - Respirable fibers)
Remark (ACGIH)	Containing no asbestos fibers = TLV® Basis: Pulm fibrosis; pulm func. Notations: A4 Containing asbestos fibers = TLV® Basis: Pneumoconiosis; lung cancer; mesothelioma. Notations: A1 (Confirmed Human Carcinogen)
Regulatory reference	ACGIH 2024
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Talc (not containing asbestos) (Silicates (less than 1% crystalline silica))
OSHA PEL TWA	20 mppcf
Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts
<b>Quartz (14808-60-7)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Silica crystalline - quartz
ACGIH OEL TWA	0.025 mg/m <sup>3</sup> (R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2024
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Quartz (Total Dust) (Silica: Crystalline)

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<b>Quartz (14808-60-7)</b>	
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA) use formula: $(30 \text{ mg/m}^3 / (\% \text{SiO}_2 + 2))$ for $\text{mg/m}^3$ . CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts
<b>Barium sulfate (7727-43-7)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Barium sulfate
ACGIH OEL TWA	5 $\text{mg/m}^3$ (I - Inhalable particulate matter, E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica)
Remark (ACGIH)	TLV® Basis: Pneumoconiosis
Regulatory reference	ACGIH 2024
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Barium sulfate
OSHA PEL TWA	15 $\text{mg/m}^3$ (Total dust) 5 $\text{mg/m}^3$ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>Calcium Sulfate (7778-18-9)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Calcium sulfate, the anhydrate
ACGIH OEL TWA	10 $\text{mg/m}^3$ (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: Nasal symptoms
Regulatory reference	ACGIH 2024
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Calcium sulfate
OSHA PEL TWA	15 $\text{mg/m}^3$ (Total dust) 5 $\text{mg/m}^3$ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>Zinc powder -zinc dust (stabilized) (7440-66-6)</b>	
No additional information available	
<b>Aluminum (7429-90-5)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Aluminum metal and insoluble compounds
ACGIH OEL TWA	1 $\text{mg/m}^3$ (R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Pneumoconiosis; LRT irr; neurotoxicity. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Aluminum Metal (as Al)



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### Aluminum (7429-90-5)

OSHA PEL TWA	15 mg/m <sup>3</sup> (Total dust) 5 mg/m <sup>3</sup> (Respirable fraction)
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Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
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### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (No data)

No additional information available

### Hydrocarbons, C9, aromatics (64742-95-6)

No additional information available

### 2-Butanone oxime (96-29-7)

No additional information available

## 8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits.
Environmental exposure controls	: Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

## 8.3. Individual protection measures/Personal protective equipment

### Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

#### Hand protection:

Wear protective gloves. Chemically impervious gloves as described by OSHA's hand protection regulations in 29 CFR 1910.138

#### Eye protection:

Chemical goggles or face shield

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid.
Appearance	: Liquid.
Color	: Gray
Odor	: Solvent-like

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Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: < 28.9 °C / 84 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable liquid and vapor.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition. Incompatible materials.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong reducing agents. Oxidizing agents.

### 10.6. Hazardous decomposition products

Thermal decomposition generates: Hydrocarbons. Carbon dioxide. Carbon monoxide. Sulfur oxides. Metallic oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Harmful in contact with skin.
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

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ATE US (dermal)	1321.398 mg/kg body weight
ATE US (dust, mist)	1.64 mg/l/4h
Unknown acute toxicity (GHS US)	83.35% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
<b>m-xylene</b>	
LD50 oral rat	6602 mg/kg
LD50 oral	4320 mg/kg
LD50 dermal rabbit	12126 mg/kg
LD50 dermal	3228 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	39.59 mg/l
LC50 Inhalation - Rat (Vapours)	31.82 mg/l/4h
<b>Ethylbenzene</b>	
LD50 oral rat	≈ 3500 mg/kg body weight
<b>p-xylene</b>	
LD50 oral rat	3523 mg/kg
LD50 oral	4029 mg/kg
LD50 dermal rabbit	12126 mg/kg
LC50 Inhalation - Rat (Vapours)	27.1 mg/l/4h
<b>o-xylene</b>	
LD50 oral rat	3523 mg/kg
LD50 oral	3600 mg/kg
LD50 dermal rabbit	12126 mg/kg
LD50 dermal	3160 mg/kg
LC50 Inhalation - Rat [ppm]	5922 ppm
LC50 Inhalation - Rat (Vapours)	21.3 mg/l/4h
<b>Talc</b>	
LD50 oral rat	> 5000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 2.1 mg/l/4h
<b>Calcium Sulfate</b>	
LD50 oral rat	> 1581 mg/kg body weight
LC50 Inhalation - Rat	> 3.26 mg/l air
<b>Zinc powder -zinc dust (stabilized)</b>	
LD50 oral rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 5.41 mg/l air

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<b>Aluminum</b>	
LD50 oral rat	> 15900 mg/kg body weight
LC50 Inhalation - Rat	> 0.888 mg/l air
<b>Hydrocarbons, C9, aromatics</b>	
LD50 oral rat	> 5000 mg/kg body weight
<b>2-Butanone oxime</b>	
LD50 dermal rabbit	> 1000 mg/kg body weight
LC50 Inhalation - Rat	> 4.83 mg/l air
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	: May cause cancer.
<b>Ethylbenzene</b>	
IARC group	2B - Possibly carcinogenic to humans
<b>Talc</b>	
IARC group	3 - Not classifiable, 2B - Possibly carcinogenic to humans
<b>Quartz</b>	
IARC group	1 - Carcinogenic to humans
National Toxicity Program (NTP) Status	Known Human Carcinogens
<b>Barium sulfate</b>	
NOAEL (chronic,oral,animal/male,2 years)	60 mg/kg body weight
NOAEL (chronic,oral,animal/female,2 years)	75 mg/kg body weight
<b>Calcium Sulfate</b>	
NOAEL (chronic,oral,animal/male,2 years)	256 mg/kg body weight
NOAEL (chronic,oral,animal/female,2 years)	284 mg/kg body weight
Reproductive toxicity	: Not classified
<b>Aluminum</b>	
NOAEL (animal/male, F0/P)	1000 mg/kg body weight
STOT-single exposure	: Not classified
<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>2-Butanone oxime</b>	
STOT-single exposure	Causes damage to organs. May cause drowsiness or dizziness.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
<b>m-xylene</b>	
LOAEC (inhalation, rat, gas, 90 days)	100 ppm

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<b>m-xylene</b>	
NOAEC (inhalation, rat, gas, 90 days)	50 ppm
<b>Ethylbenzene</b>	
NOAEL (oral, rat, 90 days)	75 mg/kg body weight
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>Talc</b>	
NOAEL (oral, rat, 90 days)	100 mg/kg body weight
<b>Calcium Sulfate</b>	
LOAEL (oral, rat, 90 days)	237 mg/kg body weight
<b>Zinc powder -zinc dust (stabilized)</b>	
NOAEL (oral, rat, 90 days)	31.25 mg/kg body weight
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>Aluminum</b>	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.05 mg/l air
NOAEL (subchronic, oral, animal/male, 90 days)	1034 mg/kg body weight
NOAEL (subchronic, oral, animal/female, 90 days)	1087 mg/kg body weight
<b>2-Butanone oxime</b>	
LOAEL (oral, rat, 90 days)	40 mg/kg body weight
NOAEC (inhalation, rat, vapor, 90 days)	0.09 mg/l air
NOAEL (subchronic, oral, animal/male, 90 days)	110 mg/kg body weight
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
<b>m-xylene</b>	
Viscosity, kinematic	0.676 mm <sup>2</sup> /s
<b>Ethylbenzene</b>	
Viscosity, kinematic	0.6 mm <sup>2</sup> /s
<b>p-xylene</b>	
Viscosity, kinematic	0.704 mm <sup>2</sup> /s
<b>o-xylene</b>	
Viscosity, kinematic	0.868 mm <sup>2</sup> /s
<b>Hydrocarbons, C9, aromatics</b>	
Viscosity, kinematic	< 1 mm <sup>2</sup> /s
Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Harmful in contact with skin.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting. Gastrointestinal disturbances.

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Most Important Symptoms/Effects	: Irritation to eyes, skin and respiratory tract. May cause an allergic skin reaction. Harmful in contact with skin or if inhaled.
Chronic symptoms	: May cause cancer. May cause heritable genetic damage. Causes damage to organs through prolonged or repeated exposure.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

<b>m-xylene</b>	
LC50 - Fish [1]	7.9 mg/l
EC50 - Crustacea [1]	2.42 mg/l
EC50 72h - Algae [1]	4.9 mg/l
ErC50 algae	4.9 mg/l
LOEC (chronic)	3.16 mg/l
NOEC chronic fish	0.714 mg/l
NOEC chronic crustacea	0.407 mg/l
<b>Ethylbenzene</b>	
LC50 - Fish [1]	5.1 mg/l
EC50 72h - Algae [1]	5.4 mg/l
EC50 72h - Algae [2]	4.9 mg/l
EC50 96h - Algae [1]	3.6 mg/l
EC50 96h - Algae [2]	7.7 mg/l
LOEC (chronic)	1.7 mg/l
NOEC (chronic)	0.96 mg/l
<b>p-xylene</b>	
LC50 - Fish [1]	1.7 mg/l
EC50 - Crustacea [1]	1.7 mg/l
EC50 72h - Algae [1]	4.06 mg/l
ErC50 algae	4.36 mg/l
LOEC (chronic)	3.16 mg/l
NOEC chronic fish	0.714 mg/l
NOEC chronic crustacea	1.29 mg/l
<b>o-xylene</b>	
LC50 - Fish [1]	7.424 mg/l
EC50 - Crustacea [1]	1 mg/l
EC50 72h - Algae [1]	4.06 mg/l
LOEC (chronic)	3.16 mg/l

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<b>o-xylene</b>	
NOEC chronic fish	0.714 mg/l
NOEC chronic crustacea	0.407 mg/l
<b>Talc</b>	
LC50 - Fish [1]	89581.02 mg/l
LC50 - Fish [2]	110000 mg/l
EC50 96h - Algae [1]	7202.7 mg/l
NOEC (chronic)	1459798 mg/l
<b>Barium sulfate</b>	
EC50 - Crustacea [1]	> 58.8 mg/l
<b>Calcium Sulfate</b>	
LC50 - Fish [1]	> 79 mg/l
EC50 72h - Algae [1]	> 79 mg/l
<b>Aluminum</b>	
EC50 72h - Algae [1]	1.05 mg/l
EC50 72h - Algae [2]	0.2 mg/l
<b>2-Butanone oxime</b>	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	≈ 201 mg/l
EC50 72h - Algae [1]	≈ 11.8 mg/l
EC50 72h - Algae [2]	≈ 6.09 mg/l
NOEC (chronic)	≥ 100 mg/l
<b>12.2. Persistence and degradability</b>	
No additional information available	
<b>12.3. Bioaccumulative potential</b>	
<b>m-xylene</b>	
Partition coefficient n-octanol/water (Log Pow)	3.2
<b>p-xylene</b>	
Partition coefficient n-octanol/water (Log Pow)	3.15
<b>o-xylene</b>	
Partition coefficient n-octanol/water (Log Pow)	3.12
<b>12.4. Mobility in soil</b>	
<b>p-xylene</b>	
Mobility in soil	246 – 540

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### o-xylene

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.72997429
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### 12.5. Other adverse effects

No additional information available

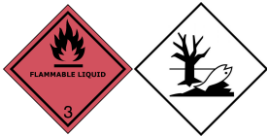


## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions. U.S. - RCRA (Resource Conservation Recovery Act) - D Waste- Characteristic Waste Codes. D001: IGNITABLE WASTE.
Additional information	: Flammable vapors may accumulate in the container. Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
<b>14.1. UN number</b>		
1263	1263	1263
<b>14.2. Proper Shipping Name</b>		
Paint	PAINT	Paint
<b>14.3. Transport hazard class(es)</b>		
3	3	3
		
<b>14.4. Packing group</b>		
I	I	I
<b>14.5. Environmental hazards</b>		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available		

### 14.6. Special precautions for user

DOT	
UN-No.(DOT)	: UN1263
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150



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DOT Packaging Non Bulk (49 CFR 173.xxx)	: 201
DOT Packaging Bulk (49 CFR 173.xxx)	: 243
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L
DOT Vessel Stowage Location	: E - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length, but is prohibited from carriage on passenger vessels in which the limiting number of passengers is exceeded.

### IMDG

Special provision (IMDG)	: 163, 367
Limited quantities (IMDG)	: 500 ml
Excepted quantities (IMDG)	: E3
Packing instructions (IMDG)	: P001
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP1, TP8, TP27
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	: E
Properties and observations (IMDG)	: Miscibility with water depends upon the composition.

### IATA

PCA Excepted quantities (IATA)	: E3
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 351
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 361
CAO max net quantity (IATA)	: 30L
ERG code (IATA)	: 3L

### 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, except for:

Epoxy Polymer	CAS-No. Proprietary	5.195 – 6.234%
Nepheline syenite	CAS-No. 37244-96-5	5.52%
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS-No. No data	1.428 – 1.677%
Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S		
Zinc powder -zinc dust (stabilized)	CAS-No. 7440-66-6	≤ 55.24%

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.

m-xylene	CAS-No. 108-38-3	3.016 – 4.35%
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Ethylbenzene	CAS-No. 100-41-4	0.788 – 1.548%
p-xylene	CAS-No. 106-42-3	0.788 – 1.575%
o-xylene	CAS-No. 95-47-6	0.654 – 1.441%
Zinc powder -zinc dust (stabilized)	CAS-No. 7440-66-6	≤ 55.24%
Lead compounds (as Pb)	CAS-No. 7439-92-1	≤ 0.055%
Aluminum	CAS-No. 7429-90-5	4.533 – 4.782%

### **m-xylene (108-38-3)**

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 1000 lb

### **Ethylbenzene (100-41-4)**

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 1000 lb

### **p-xylene (106-42-3)**

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 100 lb

### **o-xylene (95-47-6)**

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 1000 lb

### **Zinc powder -zinc dust (stabilized) (7440-66-6)**

CERCLA RQ 1000 lb

## **15.2. International regulations**

### **CANADA**

#### **m-xylene (108-38-3)**

Listed on the Canadian DSL (Domestic Substances List)

#### **Ethylbenzene (100-41-4)**

Listed on the Canadian DSL (Domestic Substances List)

#### **p-xylene (106-42-3)**

Listed on the Canadian DSL (Domestic Substances List)

#### **o-xylene (95-47-6)**

Listed on the Canadian DSL (Domestic Substances List)

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### Talc (14807-96-6)

Listed on the Canadian DSL (Domestic Substances List)

### Quartz (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

### Barium sulfate (7727-43-7)

Listed on the Canadian DSL (Domestic Substances List)

### Calcium Sulfate (7778-18-9)

Listed on the Canadian DSL (Domestic Substances List)

### Zinc powder -zinc dust (stabilized) (7440-66-6)

Listed on the Canadian DSL (Domestic Substances List)

### Aluminum (7429-90-5)

Listed on the Canadian DSL (Domestic Substances List)

### Hydrocarbons, C9, aromatics (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List)

### 2-Butanone oxime (96-29-7)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

#### m-xylene (108-38-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### p-xylene (106-42-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### o-xylene (95-47-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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### Talc (14807-96-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Quartz (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)  
Listed as carcinogen on NTP (National Toxicology Program)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Barium sulfate (7727-43-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Calcium Sulfate (7778-18-9)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Zinc powder -zinc dust (stabilized) (7440-66-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Aluminum (7429-90-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Hydrocarbons, C9, aromatics (64742-95-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 2-Butanone oxime (96-29-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

## 15.3. US State regulations



### WARNING:

This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16: Other information

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### Full text of hazard classes and H-statements

H224	Extremely flammable liquid and vapor
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H228	Flammable solid
H261	In contact with water releases flammable gas
H301	Toxic if swallowed

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Full text of hazard classes and H-statements	
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H370	Causes damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

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.