



Das Original

# DIRKO™ HT Black ProfiPress

## Safety Data Sheet

according to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations

Date of issue: 09/06/2019

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### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : DIRKO™ HT Black ProfiPress  
Product code : 919.411 (200 ml)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Sealants

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer (Germany)

ElringKlinger AG  
Max-Eyth-Straße 2  
72581 Dettingen/Erms - Germany  
Fon +49 (0)7123 724 799  
[det.iam.sdb@elringklinger.com](mailto:det.iam.sdb@elringklinger.com)

##### Supplier

##### Manufacturer (USA)

ElringKlinger Texas, LLC.  
Ridgeview 35  
4210 IH-35  
San Antonio, TX 78218 - USA  
Fon +1 210 253 8182  
[Info.us@elringklinger.com](mailto:Info.us@elringklinger.com)

Safety Data Sheet: DLAC Dienstleistungsagentur Chemie GmbH, E-mail: [sds@dlac-gmbh.de](mailto:sds@dlac-gmbh.de)

#### 1.4. Emergency telephone number

24-hour emergency contact number : +1 872 5888271 (EKA)

### SECTION 2: Hazard identification

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

##### GHS-US classification in accordance with paragraph (d) of § 1910.1200

Aerosols, Category 3 H229  
Carcinogenicity, Category 1A H350  
Specific target organ toxicity - Repeated exposure, Category 1 H372  
Sensitization - Skin, Category 1 H317

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labelling in accordance with paragraph (f) of § 1910.1200

Hazard pictograms (GHS-US) :



GHS07



GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H229 - Pressurized container: may burst if heated.  
H317 - May cause an allergic skin reaction.  
H350 - May cause cancer.  
H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS-US) : 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.  
P251 - Do not pierce or burn, even after use.  
P260 - Do not breathe dust, vapors, spray.  
P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P280 - Wear protective gloves, protective clothing, eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water and soap.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P314 - Get medical advice/attention if you feel unwell.

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P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.  
P405 - Store locked up.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C).  
P501 - Dispose of contents/container to an authorized waste collection point.

### 2.3. Other hazards

Substances formed under the conditions of use:

Name	Product identifier	%	GHS-US Classification in accordance with paragraph (d) of § 1910.1200
2-Pentanone, oxime	(CAS No) 623-40-5	≤ 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 STOT RE 2, H373 Aquatic Chronic 3, H412
Ethanol, ethyl alcohol	(CAS No) 64-17-5	≤ 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319

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

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS-US Classification in accordance with paragraph (d) of § 1910.1200
Quartz	(CAS No) 14808-60-7	15 - 40	Carc. 1A, H350 STOT RE 1, H372
Silica	(CAS No) 112945-52-5	5 - 10	Not classified
2-Pentanone, O,O',O''-(ethenylsilyldiyl)trioxime	(CAS No) 58190-62-8	1 – 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
2-Pentanone, O,O',O''-(methylsilyldiyl)trioxime	(CAS No) 37859-55-5	1 – 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
3-aminopropyltriethoxysilane	(CAS No) 919-30-2	0.1 - 1	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317
Octamethylcyclotetrasiloxane	(CAS No) 556-67-2	0.01 - < 0.079	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 1, H410 (M=10)

Trade secret claim in accordance with paragraph (i) of § 1910.1200: The exact percentage (concentration) of composition has been withheld as a trade secret.

Full text of 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. Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position.
First aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
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.
First aid measures after ingestion	: Rinse mouth. Drink water as a precaution. Do NOT induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact	: The product is not considered irritating to the skin. May cause an allergic skin reaction.
Symptoms/effects	: May cause cancer. Causes damage to organs through prolonged or repeated exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing agents that suit the environment. Carbon dioxide. Extinguishing powder. Water spray. For a significant fire: Alcohol resistant foam.
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Unsuitable extinguishing media	: Do not use a heavy water stream.
<b>5.2. Special hazards arising from the substance or mixture</b>	
Hazardous decomposition products in case of fire	: Carbon dioxide. Carbon monoxide. Toxic gases and vapors. Silicon oxides.
Explosion hazard	: Pressurized container: may burst if heated.
<b>5.3. Advice for firefighters</b>	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Use a self-contained breathing apparatus and also a protective suit.

## SECTION 6: Accidental release measures

<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
General measures	: Provide adequate ventilation. Do not breathe dust/vapors.
Emergency procedures	: Evacuate unnecessary personnel.
Protective equipment	: Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection. For further information refer to section 8: "Exposure controls/personal protection".
<b>6.2. Methods and materials for containment and cleaning up</b>	
Methods for cleaning up	: Wipe up with absorbent material (for example cloth). Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
For containment	: Keep in suitable, closed containers for disposal.
Other information	: Dispose of in accordance with relevant local regulations.

## SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	
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. Do not breathe dust, vapors, spray. Avoid contact with skin and eyes. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	
Technical measures	: Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.
Storage conditions	: Store in original container. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Protect from heat and direct sunlight. Store locked up. Do not expose to temperatures exceeding 122 °F (50 °C).
Prohibitions on mixed storage	: Keep away from food, drink and animal feedingstuffs.

## SECTION 8: Exposure controls/personal protection

<b>8.1. Control parameters</b>		
<b>Quartz (14808-60-7)</b>		
ACGIH	Local name	SILICA, CRYSTALLINE - α-QUARTZ
ACGIH	TLV-TWA (mg/m³)	0.025 mg/m³ (respirable particulate matter)
ACGIH	Remark (ACGIH)	A2
NIOSH	Local name	Silica, crystalline ; Quartz
NIOSH	NIOSH REL (TWA) (mg/m³)	0.05 mg/m³ (respirable dust)
NIOSH	Remark (NIOSH)	Ca, See Appendix A
OSHA	Local name	Quartz (Respirable)
OSHA	OSHA PEL (mg/m³)	10 mg/m³ / (% SiO₂+2)
OSHA	OSHA PEL (mppcf)	250 mppcf / (% SiO₂+5)
Cal/OSHA	Local name	Quartz
Cal/OSHA	Cal/OSHA PEL (TWA) (mg/m³)	0.05 mg/m³
<b>Ethanol (64-17-5)</b>		
ACGIH	Local name	Ethanol
ACGIH	TLV-STEL (ppm)	1000 ppm
ACGIH	TLV-STEL (mg/m³)	1880 mg/m³

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Ethanol (64-17-5)		
ACGIH	Remark (ACGIH)	A3
NIOSH	Local name	Ethyl alcohol
NIOSH	NIOSH REL (TWA) (mg/m³)	1900 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
OSHA	Local name	Ethyl alcohol (Ethanol)
OSHA	OSHA PEL (TWA) (mg/m³)	1900 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
Cal/OSHA	Local name	Ethyl alcohol; ethanol
Cal/OSHA	Cal/OSHA PEL (TWA) (mg/m³)	1900 mg/m³
Cal/OSHA	Cal/OSHA PEL (TWA) (ppm)	1000 ppm
Silica (112945-52-5)		
NIOSH	Local name	Silica, amorphous (7631-86-9)
NIOSH	NIOSH REL (TWA) (mg/m³)	6 mg/m³
OSHA	Local name	Silica: Amorphous, including natural diatomaceous earth
OSHA	OSHA PEL (TWA) (mg/m³)	80 mg/m³ / (% SiO₂)
OSHA	OSHA PEL (TWA) (mppcf)	20 mppcf

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation to minimize vapor concentrations.

### 8.3. Individual protection measures, such as personal protective equipment

Hand protection : Wear suitable gloves. Short-term contact: nitrile/neoprene, ≥ 0.2 mm. Prolonged or repeated contact: nitrile, ≥ 1.25 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

## SECTION 9: Physical and chemical properties

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

Physical state : Solid. Paste.

Color : Black

Odor (includes odor threshold) : No data available

Melting point/freezing point : No data available

Boiling point (or initial boiling point or boiling range) : No data available

Flammability : No data available

Lower and upper explosion limit/flammability limit : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

pH : Not applicable

Kinematic viscosity : Not applicable

Solubility : Water: practically insoluble  
Acetone, Alcohol: slightly soluble  
Aliphatic/aromatic hydrocarbons: dispersible  
Chlorinated solvents: dispersible

Partition coefficient n-octanol/water (log value) : Not applicable

Vapor pressure (includes evaporation rate) : No data available

Density and/or relative density : ~ 1.19 kg/dm³ (20 °C)

Relative vapor density : Not applicable

Particle characteristics : No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Vulcanizes at room temperature and on contact with humidity. Pressurized container: may burst if heated.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use and storage.

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10.3.	Possibility of hazardous reactions
None under normal use.	
10.4.	Conditions to avoid
High temperature. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
10.5.	Incompatible materials
Oxidizing agents. Water.	
10.6.	Hazardous decomposition products
In case of fire: Carbon dioxide. Carbon monoxide. Toxic gases and vapors. Silicon oxides.	

## SECTION 11: Toxicological information

11.1.	Information on toxicological effects
Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
Quartz (14808-60-7)	
IARC	Group 1: Carcinogenic to humans.
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: No known effects from this product.
Symptoms/effects after ingestion	: No known effects from this product.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: No known effects from this product.
2-Pentanone, O,O',O''-(ethenylsilyldiyl)trioxime (58190-62-8)	
LD50 oral rat	1000 - 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
2-Pentanone, O,O',O''-(methylsilyldiyl)trioxime (37859-55-5)	
LD50 oral rat	1234 mg/kg
LD50 dermal rat	> 2000 mg/kg
3-aminopropyltriethoxysilane (919-30-2)	
LD50 oral rat	1490 mg/kg
LD50 dermal rabbit	4076 mg/kg
LC50 inhalation rat (Vapors)	> 145 mg/m³/6 h
Octamethylcyclotetrasiloxane (556-67-2)	
LD50 oral rat	> 4800 mg/kg
LD50 dermal rat	> 2375 mg/kg
LC50 inhalation rat (Dust/Mist)	36 mg/l/4 h

## SECTION 12: Ecological information

12.1.	Ecotoxicity
Ecology - general	: To our knowledge, the product does not present any particular risk, under normal conditions of use.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
The maximum concentration of octamethylcyclotetrasiloxane (556-67-2) that can leach from the product is below the established safety level (< 0.0079 mg/l) for aquatic organisms.	
2-Pentanone, O,O',O''-(ethenylsilyldiyl)trioxime (58190-62-8)	
LC50 fish	> 100 mg/l 96 h, Oncorhynchus mykiss
EC50 daphnia	> 100 mg/l 48 h, Daphnia magna
ErC50 algae	88 mg/l 72 h, Raphidocelis subcapitata
NOEC algae	32 mg/l 72 h, Raphidocelis subcapitata

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### 2-Pentanone, O,O',O''-(methylsilylidyne)trioxime (37859-55-5)

LC50 fish	> 100 mg/l 96 h, Oncorhynchus mykiss
EC50 daphnia	> 100 mg/l 48 h, Daphnia magna
ErC50 algae	88 mg/l 72 h, Raphidocelis subcapitata
NOEC algae	32 mg/l 72 h, Raphidocelis subcapitata

### 3-aminopropyltriethoxysilane (919-30-2)

LC50 fish	> 934 mg/l 96 h, Danio rerio
EC50 daphnia	331 mg/l 48 h, Daphnia magna
EC50 algae	> 1000 mg/l 72 h, Desmodesmus subspicatus
NOEC daphnia	> 11.9 mg/l 21 d, Daphnia magna
NOEC algae	1.3 mg/l 72 h, Desmodesmus subspicatus

### Octamethylcyclotetrasiloxane (556-67-2)

LC50 fish	> 0.022 mg/l 96 h, Oncorhynchus mykiss
EC50 daphnia	> 0.015 mg/l 48 h, Daphnia magna
EC50 algae	> 0.022 mg/l 96 h, Raphidocelis subcapitata
NOEC fish	≥ 0.0044 mg/l 93 d, Oncorhynchus mykiss
NOEC daphnia	≥ 0.015 mg/l 21 d, Daphnia magna
NOEC algae	< 0.022 mg/l 96 h, Raphidocelis subcapitata

## 12.2. Persistence and degradability

### 2-Pentanone, O,O',O''-(ethenylsilylidyne)trioxime (58190-62-8)

Persistence and degradability	Not readily biodegradable.
Biodegradation	1 %, 28 d (OECD 301 B)

### 2-Pentanone, O,O',O''-(methylsilylidyne)trioxime (37859-55-5)

Persistence and degradability	Not readily biodegradable.
Biodegradation	1 %, 28 d (OECD 301 B)

### 3-aminopropyltriethoxysilane (919-30-2)

Persistence and degradability	Not readily biodegradable.
Biodegradation	67 %, 28 d (OECD 301 A)

### Octamethylcyclotetrasiloxane (556-67-2)

Persistence and degradability	Not readily biodegradable.
Biodegradation	3.7 %, 29 d (OECD 310)

## 12.3. Bioaccumulative potential

### 2-Pentanone, O,O',O''-(ethenylsilylidyne)trioxime (58190-62-8)

Bioconcentration factor (BCF)	69.21 l/kg
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### 2-Pentanone, O,O',O''-(methylsilylidyne)trioxime (37859-55-5)

Bioconcentration factor (BCF)	103.3 l/kg
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### 3-aminopropyltriethoxysilane (919-30-2)

Bioconcentration factor (BCF)	3.4 (OECD 305 C)
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### Octamethylcyclotetrasiloxane (556-67-2)

Bioconcentration factor (BCF)	12400 l/kg (EPA OTS 797.1520)
Partition coefficient n-octanol/water (Log Pow)	6.98 (21.7 °C)

## 12.4. Mobility in soil

No additional information available

## 12.5. Other adverse effects

Effect on global warming : No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Discharging into rivers and drains is forbidden. Dispose of in accordance with relevant local regulations.
Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Dispose of this material and its container at hazardous or special waste collection point. Do not empty into drains.
Waste disposal recommendations	: Empty the packaging completely prior to disposal. When totally empty, containers are recyclable like any other packing.

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### SECTION 14: Transport information

In accordance with DOT / ADR / IMDG / IATA

#### 14.1. UN number

UN-No. (DOT)	: UN 1950
UN-No. (ADR)	: UN 1950
UN-No. (IMDG)	: UN 1950
UN-No. (IATA)	: UN 1950

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Aerosols non-flammable (each not exceeding 1 L capacity).
Proper Shipping Name (ADR)	: AEROSOLS
Proper Shipping Name (IMDG)	: AEROSOLS
Proper Shipping Name (IATA)	: Aerosols, non-flammable
Transport document description (DOT)	: UN 1950 Aerosols (non-flammable), 2.2
Transport document description (ADR)	: UN 1950 AEROSOLS, 2.2, (E)
Transport document description (IMDG)	: UN 1950 AEROSOLS, 2.2
Transport document description (IATA)	: UN 1950 Aerosols, non-flammable, 2.2

#### 14.3. Transport hazard class(es)

<b>DOT</b>	
Transport hazard class(es) (DOT)	: 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115
Danger labels (DOT)	: 2.2 - Non-flammable compressed gas



<b>ADR</b>	
Transport hazard class(es) (ADR)	: 2.2
Danger labels (ADR)	: 2.2



<b>IMDG</b>	
Transport hazard class(es) (IMDG)	: 2.2
Danger labels (IMDG)	: 2.2



<b>IATA</b>	
Transport hazard class(es) (IATA)	: 2.2
Danger labels (IATA)	: 2.2



#### 14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment	: No
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Marine pollutant	: No
Other information	: No supplementary information available

**14.6. Special precautions**

<b>DOT</b>	
DOT Packaging Exceptions (49 CFR 173.xxx)	: 306
DOT Packaging Non Bulk (49 CFR 173.xxx)	: None
DOT Packaging Bulk (49 CFR 173.xxx)	: None
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 48, 87, 126

<b>ADR</b>	
Classification code (ADR)	: 5A
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP200
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Tunnel restriction code (ADR)	: E

<b>IMDG</b>	
Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

<b>IATA</b>	
PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A98, A145, A167, A802
ERG code (IATA)	: 2L

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

All substances in this mixture are listed on the United States TSCA (Toxic Substances Control Act) inventory  
Active Status: Active



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### 15.2. International regulations

#### Canada

All substances in this mixture are listed on Canadian DSL (Domestic Sustances List)

#### EU-Regulations

All substances in this mixture are listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### 15.3. US State regulations

#### California Proposition 65

This product contains substances known to the state of California to cause cancer: Silica, crystalline (airborne particles of respirable size).

This product does not contain any substance(s) known to the state of California to cause developmental toxicity.

This product does not contain any substance(s) known to the state of California to cause reproductive toxicity.

## SECTION 16: Other information, including date of preparation or last revision

Date of Preparation : August 22, 2025

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
DOT	Department of Transport, U.S. Department of Transportation Ground (49 CFR)
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
SDS	Safety Data Sheet

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity – Oral, Category 4
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Carc. 1A	Carcinogenicity, Category 1A
Eye Dam. 1	Eye damage/irritation, Category 1
Eye Irrit. 2	Eye damage/irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Toxic to reproduction, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Sens. 1	Sensitization – Skin, Category 1
STOT RE 1	Specific target organ toxicity (Repeated exposure), Category 1
STOT RE 2	Specific target organ toxicity (Repeated exposure), Category 2
H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H229	Pressurized container: may burst if heated.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

SDS US (GHS HazCom 2024)

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.