DIRKO™ Transparent

Safety Data Sheet

according to Work Health and Safety Regulations 2011

Date of issue: 12/02/2024 Revision date: 31/05/2026 Version/Replaced version: 3.0/2.0

Section 1: Identification

1.1. Product identifier

Product form : Mixture

Product name : DIRKO™ Transparent

1.2. Other means of identification

Product code : 216.910 (310 ml)

1.3. Recommended use of the chemical and restrictions on use

Intended for general public

Recommended use of the substance/mixture : Sealants

1.4. Details of manufacturer or importer

Manufacturer
ElringKlinger AG
Max-Eyth-Straße 2
72581 Dettingen/Erms - Germany
T +49 (0)7123 724 799
det.iam.sdb@elringklinger.com

Supplier

Safety Data Sheet: DLAC Dienstleistungsagentur Chemie GmbH, E-mail: sds@dlac-gmbh.de

1.5. Emergency phone number

24 h emergency telephone number : +1 872 5888271 (EKA)

Country	Organisation/Company	Address	Emergency telephone number
Australia	Poisons Information Hotline	-	13 11 26

Section 2: Hazard(s) identification

2.1. Classification of the hazardous chemical

GHS Classification according to WHS Regulations

Serious eye damage/eye irritation, Category 2 H319

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation. When the product hardens, small amounts of irritating vapors are released.

2.2. Label elements, including precautionary statements

GHS Labelling according to WHS Regulations

Hazard pictograms (GHS) :

GHS07

Exclamation mark

Signal word (GHS) : Warning

Hazard statements (GHS) : H319 - Causes serious eye irritation.

Precautionary statements (GHS) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P264 - Wash hands thoroughly after handling.
P280 - Wear eye 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.
P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Substances formed under the conditions of use:

Name	Product identifier	%	Classification according to WHS Regulations
Acetic acid	(CAS No) 64-19-7	< 3	Flam. Liq. 3, H226 Skin Corr. 1A, H314

Section 3: Composition and information on ingredients, in accordance with Schedule 8

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to WHS Regulations
Methylsilanetriyl triacetate	(CAS No) 4253-34-3	1 - < 3	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314
Octamethylcyclotetrasiloxane	(CAS No) 556-67-2	0.25 - < 1	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 1, H410 (M=10)

Full text of H-phrases: see section 16

Section 4: First aid measures

4.1. Description of necessary first aid measures

First-aid measures general : 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.

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. Drink water as a precaution. Do NOT induce vomiting.

4.2. Symptoms caused by exposure

Symptoms/injuries after eye contact: : Causes serious eye irritation.

4.3. Medical attention and special treatment

Treat symptomatically.

Section 5: Firefighting measures

5.1. Suitable extinguishing equipment

Suitable extinguishing media : Use extinguishing agents that suit the environment. Carbon dioxide. Extinguishing powder. Water spray. For a significant fire: Alcohol resistant foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Toxic gases and vapors. Silicon oxides.

5.3. Special protective equipment and precautions for firefighters

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

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Provide adequate ventilation. Do not breathe dust, vapours.

Emergency procedures : Evacuate unnecessary personnel.

Protective equipment : Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: " Exposure controls and personal protection".

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and materials for containment and cleaning up

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. Keep in suitable, closed containers for disposal. Dispose of in accordance with relevant local regulations.

Section 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid breathing dust, vapours, spray. Avoid contact with skin and eyes. Wear personal protective equipment.

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.

7.2. Conditions for safe storage, including any incompatibilities

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.

Prohibitions on mixed storage : Keep away from food, drink and animal feedingstuffs.

Section 8: Exposure controls and personal protection

8.1. Exposure control measures

Acetic acid (64-19-7)		
Australia	Local name	Acetic acid
Australia	HCIS TWA (mg/m³)	25 mg/m³
Australia	HCIS TWA (ppm)	10 ppm
Australia	HCIS STEL (mg/m³)	37 mg/m³
Australia	HCIS STEL (ppm)	15 ppm
ACGIH	Local name	Acetic acid
ACGIH	TLV-TWA (mg/m³)	25 mg/m³
ACGIH	TLV-TWA (ppm)	10 ppm
ACGIH	TLV-STEL (mg/m³)	37 mg/m³
ACGIH	TLV-STEL (ppm)	15 ppm

8.2. Biological monitoring

No additional information available

8.3. Control Banding

No additional information available

8.4. Engineering controls

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

8.5. Individual protection measures, for example personal protective equipment (PPE)

Eye and face protection : Chemical goggles or safety glasses (AS/NZS 1337 or equivalent).

Skin protection : Wear suitable protective clothing.

Wear suitable gloves (AS/NZS 2161 or equivalent). 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.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Respiratory protection with filter type ABEK (AS/NZS 1716 or equivalent).

Thermal hazards : Not required for normal conditions of use.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid. Paste.

Colour : Translucent

Odour : Characteristic, vinegar

Melting point/freezing point : No data available

Boiling point or initial boiling point and boiling range : No data available

Flammability : No data available

Lower and upper explosion limit/flammability limit : Not applicable

Flash point : > 150 °C (Afnor T 60103)

Auto-ignition temperature : Not applicable

Decomposition temperature : > 200 °C

pH : Not applicable

Kinematic viscosity : Not applicable

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

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

Vapour pressure : No data available

Density and/or relative density	:	~ 1.04 kg/dm³ (20 °C)
Relative vapour density	:	Not applicable
Particle characteristics	:	No data available

9.2. Other information

Explosive properties	:	None
Oxidising properties	:	None

Section 10: Stability and reactivity

10.1. Reactivity

Vulcanizes at room temperature and on contact with humidity.

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

Hydrolyses on contact with water and moisture. Formation of hazardous substances possible.

10.4. Conditions to avoid

High temperature. Moisture.

10.5. Incompatible materials

Strong oxidizing agents. Water. Moisture.

10.6. Hazardous decomposition products

In case of fire: Carbon dioxide. Carbon monoxide. Toxic gases and vapours. Silicon oxides. Hydrolyses on contact with water and moisture: Acetic acid.

Section 11: Toxicological information

11.1. Information on hazard classes

Acute toxicity : Not classified
Based on available data, the classification criteria are not met

Methylsilanetriyl triacetate (4253-34-3)	
LD50 oral rat	1600 mg/kg

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

Skin corrosion/irritation	:	The product is not considered to be irritating to the skin (Test results with a similar product).
Serious eye damage/irritation	:	Causes serious eye irritation (Test results with a similar product).
Respiratory or skin sensitisation	:	Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	:	Not classified Based on available data, the classification criteria are not met
Carcinogenicity	:	Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	:	Not classified Based on available data, the classification criteria are not met
Specific Target Organ Toxicity (STOT) — single exposure	:	Not classified Based on available data, the classification criteria are not met
Specific Target Organ Toxicity (STOT) — repeated exposure	:	Not classified Based on available data, the classification criteria are not met
Aspiration hazard	:	Not classified Based on available data, the classification criteria are not met

11.2. Information on other hazards

Information on possible routes of exposure	:	Oral, dermal, inhalative
Early onset symptoms related to exposure	:	Causes serious eye irritation.
Delayed health effects from exposure	:	To our knowledge, this product does not present a significant health hazard or any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
Exposure levels and health effects	:	To our knowledge, this product does not present a significant health hazard or any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
Interactive effects	:	None known.

Mixtures of chemicals : No additional information available
Other information : No additional information available

Section 12: Ecological information

12.1. Ecotoxicity

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 (based on partition coefficient, test results with a similar product).

Methylsilanetriyl triacetate (4253-34-3)	
LC50 fish	> 500 mg/L 96 h, Danio rerio
EC50 crustacean	> 500 mg/L 48 h, Daphnia magna
EC50 algae	> 500 mg/L 72 h, Raphidocelis subcapitata
NOEC daphnia	≥ 100 mg/l 21 d, Daphnia magna
NOEC algae	≥ 500 mg/l 72 h, Raphidocelis subcapitata

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

Methylsilanetriyl triacetate (4253-34-3)	
Persistence and degradability	Readily biodegradable.
Biodegradation	74 %, 21 d (EU Method C.4-A)

Octamethylcyclotetrasiloxane (556-67-2)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	3.7 %, 29 d (OECD 310)

12.3. Bioaccumulative potential

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

No additional information available

Section 13: Disposal considerations

13.1. Disposal methods

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.

Section 14: Transport information

In accordance ADG / IMDG / IATA

14.1. UN number

UN-No. (ADG) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable

14.2. Proper Shipping Name or Technical Name

Proper Shipping Name (ADG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class

ADG

Transport hazard class(es) (ADG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group number

Packing group (ADG) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards for transport purposes

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available.

14.6. Special precautions for user

Transport by road and rail (ADG)

Not applicable

Transport by sea (IMDG)

Not applicable

Air transport (IATA)

Not applicable

14.7. Additional information

No additional information available

14.8. Hazchem or Emergency Action Code

Not applicable

Section 15: Regulatory information

15.1. Safety, health and environmental regulations

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade

Contains no substance(s) subject to the Rotterdam Convention.

Stockholm Convention on Persistent Organic Pollutants

Contains no substance(s) subject to the Stockholm Convention.

Montreal Protocol on Substances that Deplete the Ozone Layer

Contains no substance(s) subject to the Montreal Protocol.

Work Health and Safety Regulations 2011

Contains no restricted hazardous chemicals according to Schedule 10, table 10.3 of the Work Health and Safety Regulations 2011.

Section 16: Any other relevant information

Data sources : Work Health and Safety Regulations 2011 (as amended and in force); Model Work Health and Safety Regulations (as at 5 December 2025); Safe Work Australia, Model Code of Practice: Preparation of safety data sheets for hazardous chemicals (as at June 2023).

Date of preparation or review : 31/05/2026

Changes compared to the previous version : General revision;
Section 3.2.
Section 10

Key abbreviations or acronyms used:

ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail
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)
OECD	Organisation for Economic Cooperation and Development

WHS Regulations	Work Health and Safety Regulations 2011

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
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H361	Suspected of damaging fertility or the unborn child.
H410	Very 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.