



Soudal Fix ALL Crystal

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Reference number: 100000110

Issue date: 12-30-2025 Version: 1.0

SECTION 1 Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : SOUDAL Fix ALL Crystal

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Intended for general public
Use of the substance/mixture : Sealants

1.4. Supplier's details

Soudal N.V.
Everdongenlaan 18-20
Turnhout, 2300
Belgium
T +32 14 42 42 31 - F +32 14 42 65 14
sds@soudal.com - www.Soudal.com

1.5. Emergency phone number

No additional information available

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS label elements, including precautionary statements

GHS CA labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
3-(Trimethoxysilyl)propylamine	(3-aminopropyl)trimethoxysilane / 1-Propanamine, 3-(trimethoxysilyl)-	CAS-No.: 13822-56-5	$\geq 1 - < 3$	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Dam. 1, H318
trimethoxyvinylsilane	trimethoxyvinylsilane (trimethoxysilyl)ethylene / VTMO	CAS-No.: 2768-02-7	< 1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapor), H332 Skin Sens. 1B, H317
dioctylbis(pentane-2,4-dionato-O,O')tin	dioctylbis(pentane-2,4-dionato-O,O')tin	CAS-No.: 54068-28-9	$\geq 0.1 - < 1$	Flam. Liq. 4, H227 Skin Sens. 1, H317 STOT SE 2, H371

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

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

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 eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.
First-aid measures general	: If you feel unwell, seek medical advice.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Symptoms/effects after skin contact	: None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/effects after eye contact	: None under normal conditions. Dust from this product may cause eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

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

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam.
Unsuitable extinguishing media	: None known.

5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

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5.3. Special protective actions for fire-fighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
- 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

- General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.
- Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

- For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.
- Methods for cleaning up : Mechanically recover the product.
- Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Keep cool. Protect from sunlight.
- Maximum storage period : 15 months
- Packaging materials : Synthetic material. Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

trimethoxyvinylsilane (2768-02-7)	
Canada (Ontario) - Occupational Exposure Limits	
Local name	Trimethoxyvinylsilane
OEL TWAEV	60 mg/m ³
	10 ppm
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833

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8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

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. Basic physical and chemical properties

Physical state	: Solid
Appearance	: Pasty.
Color	: Variable
Odor	: characteristic
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 1.045 g/cm ³ (20°C)
Solubility	: insoluble in water. Soluble in organic solvents.
Partition coefficient n-octanol/water (Log Pow)	: No data available

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Viscosity, kinematic : Not applicable
Explosion limits : Not applicable
Particle characteristics : No data available

Trimethoxyvinylsilane	
Particle characteristics	No data available

3-(Trimethoxysilyl)propylamine	
Particle characteristics	No data available

dioctylbis(pentane-2,4-dionato-O,O')tin	
Particle characteristics	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

VOC content : < 1 %

SECTION 10 Stability and reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.
Conditions to avoid : None under recommended storage and handling conditions (see section 7).
Incompatible materials : No additional information available
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time: : No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

trimethoxyvinylsilane (2768-02-7)	
LD50 oral rat	6899 – 7012 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	3158 – 3760 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	16.8 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))
ATE CA (oral)	6955.5 mg/kg body weight
ATE CA (Dermal)	3459 mg/kg body weight
ATE CA (vapors)	16.8 mg/l/4h
ATE CA (dust,mist)	16.8 mg/l/4h

3-(Trimethoxysilyl)propylamine (13822-56-5)	
LD50 oral rat	3030 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))

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3-(Trimethoxysilyl)propylamine (13822-56-5)	
LD50 dermal rabbit	11458 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
ATE CA (oral)	3030 mg/kg body weight
ATE CA (Dermal)	11458 mg/kg body weight
dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)	
LD50 oral rat	2500 mg/kg (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)
LD50 dermal rat	> 2000 mg/g (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
LC50 Inhalation - Rat	5.1 mg/m ³ (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours))
ATE CA (oral)	2500 mg/kg body weight
Skin corrosion/irritation	: Not classified
trimethoxyvinylsilane (2768-02-7)	
pH	No data available in the literature
3-(Trimethoxysilyl)propylamine (13822-56-5)	
pH	9 (2 %, 20 °C)
Serious eye damage/irritation	: Not classified (On basis of test data).
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Eye Irritation (test on mixture), Eye, In vitro	No eye irritation (OECD 437)
trimethoxyvinylsilane (2768-02-7)	
pH	No data available in the literature
3-(Trimethoxysilyl)propylamine (13822-56-5)	
pH	9 (2 %, 20 °C)
Respiratory or skin sensitization	: Skin sensitization: Not classified (On basis of test data).
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Skin Sensitisation (test on mixture), Skin, In vitro	Not sensitizing (OECD 497)
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)	
NOAEL (animal/male, F0/P)	0.3 – 0.4 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)
NOAEL (animal/female, F0/P)	0.3 – 0.5 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
STOT-single exposure	: Not classified
dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)	
STOT-single exposure	May cause damage to organs.
STOT-repeated exposure	: Not classified

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3-(Trimethoxysilyl)propylamine (13822-56-5)	
LOAEL (oral, rat, 90 days)	0 – 100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)	
LOAEC (inhalation, rat, gas, 90 days)	650 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Aspiration hazard : Not classified

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Viscosity, kinematic	Not applicable

trimethoxyvinylsilane (2768-02-7)	
Viscosity, kinematic	0.7 mm ² /s (20 °C)

3-(Trimethoxysilyl)propylamine (13822-56-5)	
Viscosity, kinematic	1.77 mm ² /s (20 °C, DIN 51562: Capillary viscometer)

dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)	
Viscosity, kinematic	25.1 mm ² /s (40 °C, OECD 114: Viscosity of Liquids)

Symptoms/effects after inhalation : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

Symptoms/effects after skin contact : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.

Symptoms/effects after eye contact : None under normal conditions. Dust from this product may cause eye irritation.

Symptoms/effects after ingestion : None under normal conditions.

SECTION 12 Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

trimethoxyvinylsilane (2768-02-7)	
LC50 - Fish [1]	191 mg/l (96 h, Oncorhynchus mykiss, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	169 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 89 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
NOEC chronic algae	89 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

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3-(Trimethoxysilyl)propylamine (13822-56-5)	
LC50 - Fish [1]	> 934 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	331 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1]	> 1000 mg/l (EU Method C.3, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)
EC50 72h - Algae [2]	603 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)	
LC50 - Fish [1]	71.1 mg/l (96 h, Salmo gairdneri, Flow-through system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	47.6 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Other aquatic organisms [1]	75 mg/l Test organisms (species): other:
ErC50 algae	32 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
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trimethoxyvinylsilane (2768-02-7)

Persistence and degradability	not readily degradable in water.
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3-(Trimethoxysilyl)propylamine (13822-56-5)

Persistence and degradability	Not readily biodegradable in water.
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dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)

Persistence and degradability	not readily degradable in water.
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12.3. Bioaccumulative potential

trimethoxyvinylsilane (2768-02-7)

Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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Partition coefficient n-octanol/water (Log Pow)	1.1 (QSAR, KOWWIN, 20 °C)
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3-(Trimethoxysilyl)propylamine (13822-56-5)

Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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Partition coefficient n-octanol/water (Log Pow)	0.2 (QSAR, KOWWIN, 20 °C)
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dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)

Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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Partition coefficient n-octanol/water (Log Pow)	0.6 (Calculated, 25 °C)
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12.4. Mobility in soil

trimethoxyvinylsilane (2768-02-7)

Ecology - soil	Low potential for adsorption in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.8 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

3-(Trimethoxysilyl)propylamine (13822-56-5)

Surface tension	No data available in the literature
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	-0.6 (log Koc, QSAR)

dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)

Surface tension	32.3 mN/m (20 °C, 30 mg/l, OECD 115: Surface Tension of Aqueous Solutions)
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12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

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 : Do not discharge into drains or the environment. Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.
Ecological waste information : Avoid release to the environment.

SECTION 14 Transport information

In accordance with TDG / DOT / IMDG / IATA

14.1. UN Number

Not regulated for transport

14.2. UN Proper Shipping Name

Proper Shipping Name (TDG) : Not regulated
Proper Shipping Name (DOT) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

14.3. Transport hazard class(es)

TDG
Transport hazard class(es) (TDG) : Not regulated

DOT
Transport hazard class(es) (DOT) : Not regulated

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

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IATA

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

14.4. Packing group, if applicable

Packing group (TDG) : Not regulated

Packing group (DOT) : Not regulated

Packing group (IMDG) : Not regulated

Packing group (IATA) : Not regulated

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG

Not regulated

DOT

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78⁹ and the IBC Code¹⁰

Not applicable

SECTION 15 Regulatory information

trimethoxyvinylsilane (2768-02-7)

Listed on the Canadian DSL (Domestic Substances List)

3-(Trimethoxysilyl)propylamine (13822-56-5)

Listed on the Canadian DSL (Domestic Substances List)

dioctylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

trimethoxyvinylsilane (2768-02-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

3-(Trimethoxysilyl)propylamine (13822-56-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

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diocetylbis(pentane-2,4-dionato-O,O')tin (54068-28-9)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16 Other Information

Issue date : 12-30-2025

Full text of hazard classes and H-statements:

H226	Flammable liquid and vapor
H227	Combustible liquid
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H332	Harmful if inhaled
H371	May cause damage to organs.

Safety Data Sheet (SDS), Canada

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.