

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

Junckers Strong Premium, all gloss levels

Product no.

880-889

REACH registration number

Not applicable

Unique formula identifier (UFI)

-

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

Relevant identified uses of the substance or mixture

Finishing of wood floors, interior. For professional users only.

Short title of implemented exposure scenario:

Professional use - roller and brush

This exposure scenario includes the following use categories:

Coatings and Paints, Fillers, Putties, Thinners (PC9a)

Roller application or brushing (PROC 10)

Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities (PROC 8a)

Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities (PROC 8b)

Professional uses: Public domain (administration, education, entertainment, services, craftsmen) (SU 22)

Wide dispersive indoor use of processing aids in open systems (ERC8a)

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

Junckers Industrier A/S

Vaerftsvej 4

4600 Koege

Denmark

Tel.: +45 7080 3000

Contact person

Kirsten Andersen

E-mail

productsafety@junckers.dk

SDS date

2019-02-06

SDS Version

2.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

▼ 2.1. Classification of the substance or mixture

Skin Irrit. 2; H315

Eye Irrit. 2; H319

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

▼ Hazard statement(s)

Causes skin irritation. (H315)

Causes serious eye irritation. (H319)

Precautionary statements

General If medical advice is needed, have product container or label at hand. (P101).
Keep out of reach of children. (P102).

Prevention Wash hands/exposed skin thoroughly after handling. (P264).
Wear protective gloves/protective clothing. (P280).

Response If eye irritation persists: Get medical advice/attention. (P337+P313).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).

Storage -

Disposal -

Identity of the substances primarily responsible for the major health hazards

Not applicable

2.3. Other hazards

Not applicable

Additional labelling

Contains 1,2-benzisothiazol-3(2H)-on. May produce an allergic reaction. (EUH208).

Additional warnings

Not applicable

VOC (volatile organic compound)

VOC-Max: 70 g/l, MAXIMUM VOC CONTENT (A/j (WB)): 140 g/l.

SECTION 3: Composition/information on ingredients

▼ 3.1/3.2. Substances/Mixtures

NAME: 2-(2-butoxyethoxy)ethanol
IDENTIFICATION NOS.: CAS-no: 112-34-5 EC-no: 203-961-6 REACH-no: 01-2119475104-44-xxxx Index-no: 603-096-00-8
CONTENT: 2.5 - <5%
CLP CLASSIFICATION: Eye Irrit. 2
H319
NOTE: O L E S

NAME: 2-dimethylaminoethanol
IDENTIFICATION NOS.: CAS-no: 108-01-0 EC-no: 203-542-8 REACH-no: 01-2119492298-24-xxxx Index-no: 603-047-00-0
CONTENT: 1 - <2.5%
CLP CLASSIFICATION: Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Acute Tox. 3,
STOT SE 3
H226, H302, H312, H314, H318, H331, H335
NOTE: O

According to EC-Regulation 2015/830

| | |
|----------------------|---|
| NAME: | Silicon dioxide, amorphous, chemically prepared |
| IDENTIFICATION NOS.: | CAS-no: 7631-86-9 EC-no: 231-545-4 REACH-no: 01-2119379499-16-xxxx |
| CONTENT: | 1 - <2.5% |
| CLP CLASSIFICATION: | NA |
| NAME: | Silane, dichlorodimethyl-, reaction products with silicon dioxide |
| IDENTIFICATION NOS.: | CAS-no: 68611-44-9 EC-no: 271-893-4 |
| CONTENT: | 0.25 - <1% |
| CLP CLASSIFICATION: | NA |
| NAME: | (2-methoxymethylethoxy)propanol |
| IDENTIFICATION NOS.: | CAS-no: 34590-94-8 EC-no: 252-104-2 REACH-no: 01-2119450011-60-xxxx |
| CONTENT: | 0.1 - <0.25% |
| CLP CLASSIFICATION: | NA |
| NOTE: | O L |
| NAME: | 1,2-benzisothiazol-3(2H)-on |
| IDENTIFICATION NOS.: | CAS-no: 2634-33-5 EC-no: 220-120-9 Index-no: 613-088-00-6 |
| CONTENT: | <0.01% |
| CLP CLASSIFICATION: | Acute Tox. 4, Skin Irrit. 2, Skin Sens. 1, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2 H302, H315, H317, H318, H400, H411 (M-acute = 1) |
| NAME: | 2,6-Di-tert-butyl-p-cresol |
| IDENTIFICATION NOS.: | CAS-no: 128-37-0 EC-no: 204-881-4 REACH-no: 01-2119555270-46-xxxx |
| CONTENT: | <0.01% |
| CLP CLASSIFICATION: | Aquatic Acute 1, Aquatic Chronic 1 H400, H410 (M-acute = 1) (M-chronic = 1) |

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

O = Organic solvent L = European occupational exposure limit. ES = Consolidated information from the exposure scenario of this substance, has been incorporated in this safety data sheet.

Other information

ATEmix(inhale, vapour) > 20
 ATEmix(dermal) > 2000
 ATEmix(oral) > 2000
 Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 1,2248 - 1,8372
 Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = > 1 - 1,3356

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

This product contains substances that may trigger an allergic reaction to predisposed persons.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes

According to EC-Regulation 2015/830

or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Nitrogen oxides. Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

Room temperature 18 to 23°C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

Silica (Silicon dioxide), amorphous

Long-term exposure limit (8-hour TWA reference period): - ppm | 6 (I)/2,4 (R) mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Comments: I=Inhalable, R=Respirable

According to EC-Regulation 2015/830

2,6-Di-tert-butyl-p-cresol

Long-term exposure limit (8-hour TWA reference period): - ppm | 10 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

(2-methoxymethylethoxy)propanol

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 308 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Comments: Sk (Sk = Can be absorbed through skin.)

2-dimethylaminoethanol

Long-term exposure limit (8-hour TWA reference period): 2 ppm | 7.4 mg/m³

Short-term exposure limit (15-minute reference period): 6 ppm | 22 mg/m³

2-(2-butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA reference period): 10 ppm | 67.5 mg/m³

Short-term exposure limit (15-minute reference period): 15 ppm | 101.2 mg/m³

▼ DNEL / PNEC

DNEL (2-dimethylaminoethanol): 1,04 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-dimethylaminoethanol): 7,4 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-dimethylaminoethanol): 5 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (2-dimethylaminoethanol): 22 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 67.5 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 67.5 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 101.2 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 83 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 40.5 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 40.5 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 60.7 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 50 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 5 mg/kg bw/day

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

DNEL ((2-methoxymethylethoxy)propanol): 65 mg/kg/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

According to EC-Regulation 2015/830

DNEL ((2-methoxymethylethoxy)propanol): 310 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL ((2-methoxymethylethoxy)propanol): 15 mg/kg/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL ((2-methoxymethylethoxy)propanol): 37,2 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL ((2-methoxymethylethoxy)propanol): 1,67 mg/kg/day
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

PNEC (2-dimethylaminoethanol): 0,0661 mg/l
Exposure: Freshwater
Duration of Exposure: Single

PNEC (2-dimethylaminoethanol): 0,00661 mg/l
Exposure: Marine water
Duration of Exposure: Single

PNEC (2-dimethylaminoethanol): 0,0529 mg/kg
Exposure: Freshwater sediment
Duration of Exposure: Single

PNEC (2-dimethylaminoethanol): 0,0177 mg/kg
Exposure: Soil
Duration of Exposure: Single

PNEC (2-dimethylaminoethanol): 10 mg/l
Exposure: Activated Sludge Plant
Duration of Exposure: Single

PNEC (2-(2-butoxyethoxy)ethanol): 1.1 mg/l
Exposure: Freshwater
Duration of Exposure: Continuous

PNEC (2-(2-butoxyethoxy)ethanol): 0,11 mg/l
Exposure: Marine water
Duration of Exposure: Continuous

PNEC (2-(2-butoxyethoxy)ethanol): 200 mg/l
Exposure: Sewage Treatment Plant

PNEC (2-(2-butoxyethoxy)ethanol): 4.4 mg/kg
Exposure: Freshwater sediment

PNEC (2-(2-butoxyethoxy)ethanol): 0.44 mg/kg
Exposure: Marine water sediment

PNEC (2-(2-butoxyethoxy)ethanol): 0.32 mg/kg
Exposure: Soil

PNEC ((2-methoxymethylethoxy)propanol): 19 mg/l
Exposure: Freshwater

PNEC ((2-methoxymethylethoxy)propanol): 1,9 mg/l
Exposure: Marine water

PNEC ((2-methoxymethylethoxy)propanol): 70,2 mg/kg
Exposure: Freshwater sediment

PNEC ((2-methoxymethylethoxy)propanol): 7,02 mg/kg
Exposure: Marine water sediment

PNEC ((2-methoxymethylethoxy)propanol): 190 mg/l
Exposure: Intermittent release

PNEC ((2-methoxymethylethoxy)propanol): 2,74 mg/kg
Exposure: Soil

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PNEC ((2-methoxymethylethoxy)propanol): 4168 mg/l
Exposure: Sewage Treatment Plant

PNEC (2,6-Di-tert-butyl-p-cresol): 0,0002 mg/l
Exposure: Freshwater

PNEC (2,6-Di-tert-butyl-p-cresol): 0,00002 mg/l
Exposure: Marine water

PNEC (2,6-Di-tert-butyl-p-cresol): 0,0996 mg/kg
Exposure: Freshwater sediment

PNEC (2,6-Di-tert-butyl-p-cresol): 0,00996 mg/kg
Exposure: Marine water sediment

PNEC (2,6-Di-tert-butyl-p-cresol): 0,04769 mg/kg
Exposure: Soil

PNEC (2,6-Di-tert-butyl-p-cresol): 0,17 mg/l
Exposure: Sewage Treatment Plant

8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

Contributing scenario for the control of user exposure:

Maximum permissible number of days the product may be used per year: 365

Longest permissible working day using the product (hours/day): 8

Place of application: Indoor

Exposure scenarios

Risk measures of the exposure scenario and guidance on personal protective equipment are implemented in this safety data sheet. Please ensure that all users are familiar with the content.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

Ensure adequate ventilation (5 to 15 air changes per hour). In case of insufficient ventilation: Use respiratory mask with gas filter type A1.

Skin protection

Dedicated work clothing should be worn.

Hand protection

Recommended: Nitrile rubber Breakthrough time: > 60 minutes (Class 3)

Eye protection

Wear safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------------------|--------------------|
| Form | Liquid |
| Colour | White |
| Odour | Faint |
| Odour threshold (ppm) | No data available. |
| pH | No data available. |
| Viscosity (40°C) | No data available. |
| Density (g/cm ³) | 1,03 - 1,05 |

Phase changes

| | |
|---|--------------------|
| Melting point (°C) | No data available. |
| Boiling point (°C) | No data available. |
| Vapour pressure | No data available. |
| Decomposition temperature (°C) | No data available. |
| Evaporation rate (n-butylacetate = 100) | No data available. |

Data on fire and explosion hazards

| | |
|--------------------------|--------------------|
| Flash point (°C) | 101 |
| Ignition (°C) | No data available. |
| Auto flammability (°C) | No data available. |
| Explosion limits (% v/v) | No data available. |
| Explosive properties | No data available. |

Solubility

| | |
|-----------------------------|--------------------|
| Solubility in water | Soluble |
| n-octanol/water coefficient | No data available. |

9.2. Other information

| | |
|-------------------------|--------------------|
| Solubility in fat (g/L) | No data available. |
|-------------------------|--------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Curing time 24 h.

10.3. Possibility of hazardous reactions

Nothing special

▼ 10.4. Conditions to avoid

Nothing special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance: 2,6-Di-tert-butyl-p-cresol
 Species: Rat
 Test: LD50
 Route of exposure: Dermal
 Result: >2000 mg/kg

Substance: 2,6-Di-tert-butyl-p-cresol
 Species: Rat
 Test: LD50
 Route of exposure: Oral
 Result: >5000 mg/kg

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Substance: 1,2-benzisothiazol-3(2H)-on
Species: Rabbit
Test: LD50
Route of exposure: Dermal
Result: > 2000 mg/kg

Substance: 1,2-benzisothiazol-3(2H)-on
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 1150 mg/kg

Substance: (2-methoxymethylethoxy)propanol
Species: Rabbit
Test: LD50
Route of exposure: Dermal
Result: 9510 mg/kg

Substance: (2-methoxymethylethoxy)propanol
Species: Rat
Test: LD50
Route of exposure: Oral
Result: >4000 mg/kg

Substance: Silane, dichlorodimethyl-, reaction products with silicon dioxide
Species: Rat
Test: LC0
Route of exposure: Inhalation
Result: 0,477 mg/l (4 h)

Substance: Silane, dichlorodimethyl-, reaction products with silicon dioxide
Species: Rat
Test: LD50
Route of exposure: Oral
Result: > 5000 mg/kg

Substance: Silicon dioxide, amorphous, chemically prepared
Species: Rabbit
Test: LD50
Route of exposure: Dermal
Result: >6000 mg/kg

Substance: Silicon dioxide, amorphous, chemically prepared
Species: Rat
Test: LC0
Route of exposure: Inhalation
Result: 0,139 mg/l (4 h)

Substance: Silicon dioxide, amorphous, chemically prepared
Species: Rat
Test: LD50
Route of exposure: Oral
Result: >5000 mg/kg

Substance: 2-dimethylaminoethanol
Species: Rabbit
Test: LD50
Route of exposure: Dermal
Result: 1219 mg/kg

Substance: 2-dimethylaminoethanol
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: 6,1 mg/l (4 h)

Substance: 2-dimethylaminoethanol
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 1187 mg/kg

Substance: 2-(2-butoxyethoxy)ethanol
Species: Rabbit

According to EC-Regulation 2015/830

Test: LD50
Route of exposure: Dermal
Result: 2700 mg/kg

Substance: 2-(2-butoxyethoxy)ethanol
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 3384 mg/kg

Substance: 2-(2-butoxyethoxy)ethanol
Species: Mouse
Test: LD50
Route of exposure: Oral
Result: 2499 mg/kg

▼ **Skin corrosion/irritation**

Causes skin irritation.

Data on substance: Silicon dioxide, amorphous, chemically prepared

Test: OECD TG 404

Organism: Rabbit

Result: No skin irritation

Data on substance: (2-methoxymethylethoxy)propanol

Test: OECD TG 404

Organism: Rabbit

Result: No irritation

Serious eye damage/irritation

Causes serious eye irritation.

Data on substance: Silicon dioxide, amorphous, chemically prepared

Test: OECD TG 405

Organism: Rabbit

Result: No eye irritation

Respiratory or skin sensitisation

This product contains substances that may trigger an allergic reaction to predisposed persons.

▼ **Germ cell mutagenicity**

Data on substance: Silicon dioxide, amorphous, chemically prepared

Test: Ames test

Organism: In Vitro

Result: >5 mg/plate

No adverse effect observed.

Carcinogenicity

No data available.

▼ **Reproductive toxicity**

Data on substance: Silicon dioxide, amorphous, chemically prepared

Test: OECD TG 414

Organism: Rat

Result: 1350 mg/kg (NOAEL-maternal toxicity)

Data on substance: Silicon dioxide, amorphous, chemically prepared

Test: OECD TG 414

Organism: Rat

Result: 1350 mg/kg (NOAEL-teratogenicity)

STOT-single exposure

No data available.

▼ **STOT-repeated exposure**

Data on substance: Silicon dioxide, amorphous, chemically prepared

Test: OECD 408

Duration of Exposure: 90 d

Organism: Rat

According to EC-Regulation 2015/830

Result: 9000 mg/kg bw/d (NOAEL-oral)

Data on substance: Silicon dioxide, amorphous, chemically prepared

Test: OECD 413

Duration of Exposure: 90 d

Organism: Rat

Result: 1500 mg/kg bw/d (NOAEC-inhalativ)

Aspiration hazard

No data available.

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance: 2,6-Di-tert-butyl-p-cresol

Species: Algae

Test: EC50

Duration: 72 h

Result: >0,4 mg/l

Substance: 2,6-Di-tert-butyl-p-cresol

Species: Fish

Test: LC50

Duration: 96 h

Result: >0,57 mg/l

Substance: 2,6-Di-tert-butyl-p-cresol

Species: Daphnia

Test: EC50

Duration: 48 h

Result: 0,48 mg/l

Substance: 1,2-benzisothiazol-3(2H)-on

Species: Daphnia

Test: EC50

Duration: 48 h

Result: 3 mg/l

Substance: 1,2-benzisothiazol-3(2H)-on

Species: Algae

Test: EC50

Duration: 72 h

Result: 0,067 mg/l

Substance: 1,2-benzisothiazol-3(2H)-on

Species: Fish

Test: LC50

Duration: 96 h

Result: 2,2 mg/l

Substance: 1,2-benzisothiazol-3(2H)-on

Species: Bacteria

Test: EC50

Duration: 16 h

Result: 0,4 mg/l

Substance: 1,2-benzisothiazol-3(2H)-on

Species: Algae

Test: ErC50

Duration: 72 h

Result: 0,11 mg/l

Substance: (2-methoxymethylethoxy)propanol

Species: Fish

Test: LC50

Duration: 96 h

According to EC-Regulation 2015/830

Result: 10000 mg/l

Substance: (2-methoxymethylethoxy)propanol
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 1919 mg/l

Substance: (2-methoxymethylethoxy)propanol
Species: Daphnia
Test: NOEC
Duration: 22 d
Result: \geq 0,5 mg/l

Substance: (2-methoxymethylethoxy)propanol
Species: Algae
Test: EC50
Duration: 72 h
Result: $>$ 969 mg/l

Substance: Silane, dichlorodimethyl-, reaction products with silicon dioxide
Species: Fish
Test: LC50
Duration: 96h
Result: $>$ 10000 mg/l

Substance: Silane, dichlorodimethyl-, reaction products with silicon dioxide
Species: Daphnia
Test: EC50
Duration: 24h
Result: $>$ 10000 mg/l

Substance: Silane, dichlorodimethyl-, reaction products with silicon dioxide
Species: Algae
Test: IC50
Duration: 72 h
Result: $>$ 10000 mg/l

Substance: Silicon dioxide, amorphous, chemically prepared
Species: Fish
Test: LC50
Duration: 96 h
Result: $>$ 10000 mg/l

Substance: Silicon dioxide, amorphous, chemically prepared
Species: Daphnia
Test: EC50
Duration: 24 h
Result: $>$ 1000 mg/l

Substance: Silicon dioxide, amorphous, chemically prepared
Species: Algae
Test: EC50
Duration: 72 h
Result: $>$ 10000 mg/l

Substance: 2-dimethylaminoethanol
Species: Fish
Test: LC50
Duration: 96 h
Result: 146,6 mg/l

Substance: 2-dimethylaminoethanol
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 98,4 mg/l

Substance: 2-dimethylaminoethanol
Species: Algae
Test: EC50
Duration: 72 h
Result: 66,1 mg/l

According to EC-Regulation 2015/830

Substance: 2-dimethylaminoethanol
Species: Bacteria
Test: EC20
Duration: 30 min.
Result: >1000 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Fish
Test: LC50
Duration: 96 h
Result: 1300 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Daphnia
Test: EC50
Duration: 24 h
Result: 2850 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Algae
Test: EC50
Duration: 96 h
Result: 100 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 100 mg/l

▼ 12.2. Persistence and degradability

| Substance | Biodegradability | Test | Result |
|-----------------------------------|------------------|------------------------------|-------------------|
| 1,2-benzisothiazol-3(2H)-on | Yes | No data available | No data available |
| (2-methoxymethylethoxy)propano... | Yes | Manometric Respirometry Test | 73% |
| 2-dimethylaminoethanol | Yes | No data available | No data available |
| 2-(2-butoxyethoxy)ethanol | Yes | Modified OECD Screening Test | 90-100 % |

▼ 12.3. Bioaccumulative potential

| Substance | Potential bioaccumulation | LogPow | BCF |
|-----------------------------------|---------------------------|-------------------|-------------------|
| 2,6-Di-tert-butyl-p-cresol | Yes | 5,1 | No data available |
| (2-methoxymethylethoxy)propano... | No | 0,0043 | No data available |
| Silane, dichlorodimethyl-, rea... | No | No data available | No data available |
| Silicon dioxide, amorphous, ch... | No | No data available | No data available |
| 2-(2-butoxyethoxy)ethanol | No | 0,56 | No data available |

12.4. Mobility in soil

2,6-Di-tert-butyl-p-cresol: Log Koc= 4,11709, Calculated from LogPow (Low mobility potential.).
(2-methoxymethylethoxy)propano...: Log Koc= 0,08180517, Calculated from LogPow (High mobility potential.).

2-(2-butoxyethoxy)ethanol: Log Koc= 0,521864, Calculated from LogPow (High mobility potential.).

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

This product contains substances with the potential of bioaccumulation resulting in the risk of accumulation in the food chain. Bioaccumulative substances are concentrated in adipose tissue and are not easily secreted.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

According to EC-Regulation 2015/830

Waste

EWC code
08 01 11

waste paint and varnish containing organic solvents or other dangerous substances

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

- 14.1. UN number -
- 14.2. UN proper shipping name -
- 14.3. Transport hazard class(es) -
- 14.4. Packing group -
- Notes -
- Tunnel restriction code -

IMDG

- UN-no. -
- Proper Shipping Name -
- Class -
- PG* -
- EmS -
- MP** -
- Hazardous constituent -

IATA/ICAO

- UN-no. -
- Proper Shipping Name -
- Class -
- PG* -

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

-

Additional information

Not applicable

Seveso

-

Sources

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

Regulation (EC) 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information**Full text of H-phrases as mentioned in section 3**

H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

H312 - Harmful in contact with skin.

H314 - Causes severe skin burns and eye damage.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H331 - Toxic if inhaled.

H335 - May cause respiratory irritation.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

H411 - Toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

PC9a = Coatings and Paints, Fillers, Putties, Thinners

PROC 10 = Roller application or brushing

PROC 8a = Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC 8b = Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

SU 22 = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

ERC8a = Wide dispersive indoor use of processing aids in open systems

Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

According to EC-Regulation 2015/830

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

shcw/chymeia

Date of last essential change

(First cipher in SDS version)

2018-03-26(1.0)

Date of last minor change

(Last cipher in SDS version)

2018-03-26

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