

SHINEDECOR 2000

Version 5.1

Revision Date 22.09.2021

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : SHINEDECOR 2000
Material number : 023843HD0

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

Company : ECKART Suisse SA
Route de la Brasserie 2
1963 Vétroz
Telephone : +410273454800
Telefax : +410273454859
E-mail address : msds.eckart@altana.com
Responsible/issuing person

1.4 Emergency telephone number**NCEC:**

(contract no.: ECKART29003-NCEC)

+44 1235 239671 (Middle East/Africa, call and response in your language)

+1 215 207 0061 (Americas, call and response in your language)

+65 3158 1074 (Asia-Pacific, call and response in your language)

SECTION 2: Hazards identification**GHS Classification**

Not a dangerous substance according to GHS.

GHS-Labeling

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Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

Hazardous components which must be listed on the label

SECTION 3: Composition/information on ingredients

Substance No. :

Hazardous components

| Chemical name | CAS-No. EINECS-No. | Classification and labelling | Concentration[%] |
|---|-----------------------------|---|------------------|
| aluminium powder (stabilised) | 7429-90-5 231-072-3 | Flam. Sol.;1;H228 | 25 - 50 |
| Phosphoric acid, C11-14-isoalkyl esters, C13-rich | 154518-38-4 (52933-07-0) | ;2;H315 ;1;H318 Aquatic Acute;2;H401 Aquatic Chronic;2;H411 | 1 - 2,5 |
| 2-dimethylaminoethanol | 108-01-0 203-542-8 | Flam. Liq.;3;H226 Acute Tox.;4;H302 Acute Tox.;3;H331 Acute Tox.;4;H312 ;1A;H314 ;1;H318 STOT SE;3;H335 | 0,1 - 1 |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | Skin Corr.;1C;H314 Skin Sens.;1A;H317 Acute Tox.;2;H330 Acute Tox.;2;H310 Acute Tox.;3;H301 | 0,0003 - 0,0025 |

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| | | | |
|--|--|--|--|
| | | ;1;H318 Aquatic Acute;1;H400 Aquatic Chronic;1;H410 | |
|--|--|--|--|

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures
4.1 Description of first aid measures

| | |
|-------------------------|---|
| General advice | : Move the victim to fresh air. Do not leave the victim unattended. |
| If inhaled | : No hazards which require special first aid measures. : If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician. |
| In case of skin contact | : Wash off immediately with soap and plenty of water. |
| In case of eye contact | : Immediately flush eye(s) with plenty of water. Remove contact lenses. If eye irritation persists, consult a specialist. |
| If swallowed | : Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. |

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

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SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media : Dry sand, ABC powder, Foam

Unsuitable extinguishing
media : Water**5.2 Special hazards arising from the substance or mixture**

This information is not available.

5.3 Advice for firefightersSpecial protective equipment
for firefighters : Wear self-contained breathing apparatus for firefighting if
necessary.Further information : Standard procedure for chemical fires. Use extinguishing
measures that are appropriate to local circumstances and the
surrounding environment.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Evacuate personnel to safe areas.

6.2 Environmental precautions

This information is not available.

6.3 Methods and materials for containment and cleaning upMethods for cleaning up : Use mechanical handling equipment.
Soak up with inert absorbent material (e.g. sand, silica gel,
acid binder, universal binder, sawdust).
Wipe up with absorbent material (e.g. cloth, fleece).

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Do not flush with water.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Advice on safe handling : For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Earthing of containers and apparatuses is essential. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Store in original container.
- Electrical installations / working materials must comply with the technological safety standards.
- Advice on common storage : Do not store near acids. Do not store together with oxidizing and self-igniting products. Keep away from oxidizing agents and strongly acid or alkaline materials. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

This information is not available.

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SECTION 8: Exposure controls/personal protection
8.1 Control parameters
Germany:

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Update | Basis |
|---|-----------|----------------------------------|------------------------|------------|-------------|
| aluminium powder (stabilised) | 7429-90-5 | AGW (Inhalable fraction) | 10 mg/m ³ | 2014-04-02 | DE TRGS 900 |
| Peak-limit: excursion factor (category) | | 2;(II) | | | |
| aluminium powder (stabilised) | 7429-90-5 | AGW (Alveolate fraction) | 1,25 mg/m ³ | 2014-04-02 | DE TRGS 900 |
| Peak-limit: excursion factor (category) | | 2;(II) | | | |

United States of America (USA):

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Update | Basis |
|-------------------------------|-----------|----------------------------------|-------------------------------------|------------|-------|
| aluminium powder (stabilised) | 7429-90-5 | TWA (total dust) | 50 Million particles per cubic foot | 2012-07-01 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (Respirable) | 5 mg/m ³ | 2013-10-08 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (total dust) | 15 mg/m ³ | 2012-07-01 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (total) | 10 mg/m ³ | 2013-10-08 | |
| aluminium powder | 7429-90-5 | TWA (respirable fraction) | 5 mg/m ³ | 2012-07-01 | |

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| | | | | | |
|-------------------------------|-----------|-------------------------------------|-------------------------------------|------------|--|
| (stabilised) | | | | | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (respirable fraction) | 15 Million particles per cubic foot | 2012-07-01 | |
| aluminium powder (stabilised) | 7429-90-5 | PEL (Total dust) | 10 mg/m3 | 2014-11-26 | |
| aluminium powder (stabilised) | 7429-90-5 | PEL (respirable dust fraction) | 5 mg/m3 | 2014-11-26 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (Respirable particulate matter) | 1 mg/m3 | 2008-01-01 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA | 5 mg/m3 | 2005-09-01 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (Total) | 15 mg/m3 | 1989-01-19 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (Respirable fraction) | 5 mg/m3 | 1989-01-19 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (total dust) | 15 mg/m3 | 2011-07-01 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (respirable fraction) | 5 mg/m3 | 2011-07-01 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (Total dust) | 15 mg/m3 | 1989-01-19 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (respirable dust fraction) | 5 mg/m3 | 1989-01-19 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (welding fumes) | 5 mg/m3 | 2013-10-08 | |
| aluminium | 7429-90-5 | TWA (pyro) | 5 mg/m3 | 2013-10-08 | |

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| | | | | | |
|-------------------------------|-----------|-------------------------------------|---------------------|------------|--|
| powder (stabilised) | | powders) | | | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (Respirable particulate matter) | 1 mg/m ³ | 2013-03-01 | |
| aluminium powder (stabilised) | 7429-90-5 | TWA (Fumes) | 5 mg/m ³ | 1989-01-19 | |
| aluminium powder (stabilised) | 7429-90-5 | PEL (Welding fumes) | 5 mg/m ³ | 2017-10-02 | |
| aluminium powder (stabilised) | 7429-90-5 | PEL (Pyro powders) | 5 mg/m ³ | 2017-10-02 | |

8.2 Exposure controls
Personal protective equipment

Eye protection : Goggles
: Safety glasses

Hand protection

Material : Solvent-resistant gloves (butyl-rubber)

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Recommended preventive skin protection
Skin should be washed after contact.
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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Respiratory protection : Use suitable breathing protection if workplace concentration requires.

: No personal respiratory protective equipment normally required.

Environmental exposure controls

Water : The product should not be allowed to enter drains, water courses or the soil.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance : liquid

Colour : silver

Odour : characteristic

pH : 6 - 8, 100 %

Freezing point : No data available

Boiling point/boiling range : No data available

Flash point : > 100 °C

Bulk density : No data available

Flammability (solid, gas) : No data available

Auto-flammability : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Density : No data available

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| | |
|--|---------------------|
| Water solubility | : No data available |
| Miscibility with water | : No data available |
| Solubility in other solvents | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Ignition temperature | : No data available |
| Thermal decomposition | : No data available |
| Viscosity, dynamic | : No data available |
| Viscosity, kinematic | : No data available |
| Flow time | : No data available |

9.2 Other information

No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Contact with acids and alkalis may release hydrogen.

Stable under recommended storage conditions.

10.4 Conditions to avoidConditions to avoid : Do not allow evaporation to dryness.
No data available**10.5 Incompatible materials**

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Materials to avoid : Acids
Bases
Oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : No data available

Other information : No data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****Components:****2-dimethylaminoethanol :**

Acute oral toxicity : The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : The component/mixture is toxic after short term inhalation.

Acute dermal toxicity : The component/mixture is moderately toxic after single contact with skin.

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) :

Acute oral toxicity : The component/mixture is toxic after single ingestion.

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Acute inhalation toxicity : The component/mixture is highly toxic after short term inhalation.

Acute dermal toxicity : The component/mixture is highly toxic after single contact with skin.

Skin corrosion/irritation**Product**

Result: No skin irritation

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation**Product**

Result: No eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

No data available

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogeni city

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No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information**Product**

No data available

SECTION 12: Ecological information**12.1 Toxicity****Product:**

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : This product has no known ecotoxicological effects.

Long-term (chronic) aquatic hazard : This product has no known ecotoxicological effects.

Components:

Phosphoric acid, C11-14-isoalkyl esters, C13-rich (154518-38-4) :

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 24 mg/l
Exposure time: 96 h

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6,31 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (algae): 150 mg/l
Exposure time: 72 h

2-dimethylaminoethanol (108-01-0) :

Toxicity to daphnia and other aquatic invertebrates : (Daphnia (water flea)): 98,77 mg/l

Toxicity to algae : (Chlorella pyrenoidosa (algae)): 35 mg/l
Exposure time: 72 h

5-Chloro-2-methyl-3(2H)isothiazole mixt. with 2-Methyl-3(2H)isothiazolone (55965-84-9) :**Ecotoxicology Assessment**

Short-term (acute) aquatic hazard : Very toxic to aquatic life.

Long-term (chronic) aquatic hazard : Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

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12.6 Other adverse effects**Product:**

Additional ecological information : No data available

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Product : In accordance with local and national regulations.
Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
In accordance with local and national regulations.

SECTION 14: Transport information**14.1 UN number****ADR**

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

:

IATA

: Not permitted for transport

14.2 Proper shipping name

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ADR

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

:

Not permitted for transport

14.3 Transport hazard class**ADR**

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

:

Not permitted for transport

14.4 Packing group**ADR**

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

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IMDG

Not dangerous goods

IATA

(Cargo) : Not permitted for transport

(Passenger) : Not permitted for transport

14.5 Environmental hazards

14.6 Special precautions for user

Due to the risk of hydrogen development we recommend to refrain from airfreighting this/these product(s).

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

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

| | |
|--|---|
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). | : Not applicable |
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer | : Not applicable |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | : Not applicable |
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) | : Banned and/or restricted (aluminium powder (stabilised)) (Phosphoric acid, C11-14-isoalkyl) |

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esters, C13-rich)
(2-dimethylaminoethanol)
(reaction mass of 5-chloro-2-methyl-
2H-isothiazol-3-one and 2-methyl-
2H-isothiazol-3-one (3:1))
(pyridine-2-thiol 1-oxide, sodium
salt)

15.2 Chemical safety assessment

No data available

SECTION 16: Other information**Full text of H-Statements**

| | |
|------|---|
| H226 | : Flammable liquid and vapour. |
| H228 | : Flammable solid. |
| H301 | : Toxic if swallowed. |
| H302 | : Harmful if swallowed. |
| H310 | : Fatal in contact with skin. |
| 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. |
| H330 | : Fatal if inhaled. |
| H331 | : Toxic if inhaled. |
| H335 | : May cause respiratory irritation. |
| H400 | : Very toxic to aquatic life. |
| H401 | : Toxic to aquatic life. |
| H410 | : Very toxic to aquatic life with long lasting effects. |
| H411 | : Toxic to aquatic life with long lasting effects. |

The information provided in this Safety Data Sheet is correct to the best of our knowledge,
information and belief at the date of its publication. The information given is designed only as a

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guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.