

Data sheet

Varnish for oil paintings (Matte)

Identification of the Substance/Mixture and of the Company/Undertaking

Product Identifier

Product Name: Varnish for oil paintings (Matte)

Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses: coatings, plastics additive

Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: ProfPlus.eu, c/o Larsen Fine Art v/ Claus Larsen,
Company Registration- EU VAT- and EORI number: DK41092254
Address: Hovedgaden 29, 8654 Bryrup; Denmark
Telephone: +45 6154 3231 |
Internet: www.profplus.eu
Email: info@profplus.eu

the product consists of three components:

Component 1 is Odourless solvent
Component 2 is Hydrocarbon Resin
Component 3 is Beeswax, bleached

The three components are described separately and in detail:

Component 1

Turpentine Substitute, Odourless

Product identifier HYDROCARBONS, C11-C14, ISO-ALKANES, CYCLICS, < 2% AROMATES ; EC No. : 927-285-2 ;
REACH registration No. : 01-2119480162-45 1.2 Relevant identified uses of the substance or mixture and uses
advised against Relevant identified uses Coatings and paints, thinners, paint removers Solvent

Hazards identification

Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 [CLP] Asp.
Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms Health hazard (GHS08) Signal
word Danger

Hazard statements

H304 May be fatal if swallowed and enters airways. Precautionary statements
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P331 Do NOT induce vomiting.
P501 Dispose of contents/container according to local regulations Supplemental Hazard information (EU)
EUH066 Repeated exposure may cause skin dryness or cracking.
Other hazards: None

Composition/information on ingredients

Substance name : HYDROCARBONS, C11-C14, ISO-ALKANES, CYCLICS, < 2% AROMATES EC No. : 927-285-2 REACH
No. : 01-2119480162-45 Purity : ≥ 90 - < 100 % [mass]

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First aid measures

Description of first aid measures

General information In case of accident or unwellness, seek medical advice immediately

Remove affected person from the danger area and lay down. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Following inhalation Remove casualty to fresh air and keep warm and at rest.

In case of respiratory tract irritation, consult a physician.

In case of skin contact Change contaminated, saturated clothing. Subsequently wash off with: Water and soap After eye contact Rinse immediately carefully and thoroughly with eye-bath or water.

In case of eye irritation consult an ophthalmologist.

After ingestion Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect).

Most important symptoms and effects, both acute and delayed dizziness, headache ,impairment of vision nausea Vomiting

Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

Firefighting measures

Co-ordinate fire-fighting measures to the fire surroundings. Extinguishing media Suitable extinguishing media alcohol resistant foam Carbon dioxide (CO₂) Extinguishing powder Water spray Unsuitable extinguishing media High power water jet 5.2 Special hazards arising from the substance or mixture In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO₂)

Advice for firefighters In case of fire: Wear self-contained breathing apparatus. Protective clothing.

Additional information Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged White Spirit, Odourless 18.04.2017 02.05.2017 Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Use personal protection equipment. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Use water spray jet to minimise or disperse vapours.

Methods and material for containment and cleaning up Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly.

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Handling and storage

Precautions for safe handling If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Protective measures All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists Measures to prevent fire Usual measures for fire prevention. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Measures to prevent aerosol and dust generation Vapours/aerosols should be exhausted directly at the point of origin. Use only in well-ventilated areas. Environmental precautions Shafts and sewers must be protected from entry of the product.

Conditions for safe storage

This includes any incompatibilities Hints on joint storage Storage class (VCI): 10 Storage class (TRGS 510): 10

Specific end use(s)

None SECTION 8: Exposure controls/personal protection 8.1 Control parameters None 8.2 Exposure controls White Spirit, Odourless Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Personal protection equipment Eye/face protection Eye glasses with side protection Skin protection Hand protection Suitable gloves type : Gloves with long cuffs Suitable material : NBR (Nitrile rubber) Break-through time : ≥ 480 min Thickness of the glove material : 0,5 mm Recommended glove articles : DIN EN 374 Additional hand protection measures : Check leak tightness/impermeability prior to use. Do not wear gloves near rotary machines and tools. In the case of wanting to use the gloves again, clean them before taking off and air them well. Remark : The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Body protection lab coat Overall Chemical resistant safety shoes Only wear fitting, comfortable and clean protective clothing. Recommended material : Natural fibres (e.g. cotton) heat-resistant synthetic fibres Respiratory protection If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: exceeding exposure limit values / aerosol or mist formation. Suitable respiratory protection apparatus Filtering device (full mask or mouthpiece) with filter : A General health and safety measures Wash hands before breaks and after work. Apply skin care products after work.

Physical and chemical properties

Information on basic physical and chemical properties Appearance : liquid Colour : colourless Odour : hydrocarbons, aliphatic Safety relevant basis data Melting point/melting range : $-45,0$ °C Initial boiling point and boiling range : (1013 hPa) 185,0 - 215,0 °C Decomposition temperature : No data available Flash point : approx. 62,0 °C DIN 51755 part 1 Ignition temperature : 230,0 °C Oxidising liquids : No data available. Lower explosion limit : 0,6 Vol-% Upper explosion limit : 7,0 Vol-% Explosive properties : No data available. White Spirit, Odourless 18.04.2017 02.05.2017 Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Trade name : Revision date : Version (Revision) : 18.1.0 (18.0.0) Print date : Page : 5 / 8 (EN / D) Vapour pressure 20°C): (20 °C) 0,6 hPa Dichte : (15 °C) approx. 0,76 g/cm³ Water solubility : (20 °C) not miscible pH-value: (20 °C / conc.) not applicable log P O/W : No data available Cinematic viscosity : (40 °C) 1,6 mm²/s Odour threshold : No data available Relative vapour density : (20 °C) 4,5 (air = 1) Vapourisation rate : No data available Maximum VOC content (EC) : (20 °C) 100,0 Wt % gem. RL 1999/13/EG Max. VOC content (Deco-paint): (20 °C) 100,0 Wt % gem. RL 2004/42/EG.

Other information

no more data available

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Stability and reactivity

With regards to reactivity, no information available. With regards to Chemical stability. This solvent is stable under recommended storage and handling conditions.

Possibility of hazardous reactions

None

Conditions to avoid

Heat, sparks, flames and other ignition sources.

Incompatible materials

None

Hazardous decomposition products

Does not decompose when used for intended uses.

Toxicological information

Information on toxicological effects: Acute effects Based on available data, the classification criteria are not met. Acute oral toxicity Parameter : LD50 Exposure route : Oral Species : Rat Effective dose : > 5000 mg/kg Method : OECD 401 Acute dermal toxicity Parameter : LD50 Exposure route : Dermal Species : Rabbit Effective dose : > 5000 mg/kg Method : OECD 402 Acute inhalation toxicity Parameter : LC50 Exposure route : Inhalation Species : Rat White Spirit, Odourless 18.04.2017 02.05.2017 Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). > 5000 mg/m³ Method : OECD 403 Irritant and corrosive effects Based on available data, the classification criteria are not met. Sensitisation Based on available data, the classification criteria are not met. Repeated dose toxicity (subacute, subchronic, chronic) Subacute oral toxicity Parameter : NOAEL(C) Exposure route : Oral Species : Rat Effective dose : => 5000 mg/kg Exposure time : 90 d Subacute inhalation toxicity Parameter : NOAEL(C) Exposure route : Inhalation Species : Rat Effective dose : > 10400 mg/m³ Exposure time : 90 d CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) Carcinogenicity Based on available data, the classification criteria are not met. Germ cell mutagenicity Based on available data, the classification criteria are not met. Reproductive toxicity Based on available data, the classification criteria are not met. STOT-single exposure Based on available data, the classification criteria are not met. STOT-repeated exposure Based on available data, the classification criteria are not met. Aspiration hazard May be fatal if swallowed and enters airways.

Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Symptoms related to the physical, chemical and toxicological characteristics There are no data available on the preparation/mixture itself.

Other adverse effects

No information available.

Additional information

The product is classified and labelled according to EC directives or corresponding national laws. Classification according to Regulation (EC) No 1272/2008 [CLP] Toxicological data are not available.

Ecological information

Toxicity Aquatic toxicity Based on available data, the classification criteria are not met. Chronic (long-term) fish toxicity Parameter : NOELR White Spirit, Odourless Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Effective dose : 0,103 mg/l Exposure time : 28 d Chronic (long-term) daphnia toxicity Parameter : NOELR Species : Daphnia magna (Big water flea) Effective dose : 1 mg/l Exposure time : 21 d Acute (short-term) algae toxicity Parameter : NOELR Effective dose : > 1000 mg/l Exposure time : 72 h 12.2 Persistence and degradability Biodegradable.

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Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

Other adverse effects

No information available.

Additional ecotoxicological information

None

Disposal considerations

Dispose according to legislation.

Waste treatment methods

Product/Packaging disposal Waste codes/waste designations according to EWC/AVV Waste code product Waste code (91/689/EEC) : 07 01 04*

Additional information

None

Transport information

UN number No dangerous good in sense of these transport regulations.

UN proper shipping name

No dangerous good in sense of these transport regulations.

Transport hazard class(es)

No dangerous good in sense of these transport regulations.

Packing group

No dangerous good in sense of these transport regulations.

Environmental hazards

No dangerous good in sense of these transport regulations.

Special precautions for user

None

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

Code not relevant

Additional information

Land transport (ADR/RID) No dangerous good in sense of these transport regulations. Sea transport (IMDG) No dangerous good in sense of these transport regulations. Air transport (ICAO-TI / IATA-DGR) No dangerous good in sense of these transport regulations.

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Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture National regulations Water hazard class (WGK) Class : 1 (Slightly hazardous to water)

Additional information

Substance/product listed in the following inventories CAS No. : 64741-65-7 DSL/NDSL ; TSCA ; PICCS ; KECL 15.2 Chemical safety assessment No information available.

Other information

Labelling according to Regulation (EC) No. 1272/2008 [CLP] · Aquatic toxicity · Water hazard class (WGK) 1

Abbreviations and acronyms

None

Key literature references and sources for data

None

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

Relevant H- and EUH-phrases (Number and full text)

None

Training advice

None

Additional information

None

Component 2

Relgarez® 1126

Hazards Identification

Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS). This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to Directive No. 67/548/EC or No. 1999/45/EC

The material is not subject to classification according to EC lists.

Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS). This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

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Other Hazards

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

67284 Regalrez® 1126

Relevant identified Uses of the Substance or Mixture and Uses advised against Identified uses:

Adhesive, coatings, plastics additive

Hazards Identification

Classification of the Substance or Mixture. Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to Directive No. 67/548/EC or No. 1999/45/EC

The material is not subject to classification according to EC lists.

Safety Phrases:

Possible Environmental Effects

Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS). This product does not require classification and labelling as hazardous according to CLP/GHS.

Chemical Characterization:

Information on Components / Hazardous

Ingredients: Hydrogenated hydrocarbon resin 100 %

First Aid Measures

Seek medical attention in case of complaints. After inhalation: Supply fresh air and seek medical advice in case of complaints.

After skin contact: Wash off with plenty of water and soap. Consult a physician if irritation persists. After contact with molten material cool affected skin with water. Consult a physician immediately.

After eye contact: Rinse open eyes with plenty of water for at least 15 minutes. Remove contact lens. Consult a physician immediately.

After ingestion: Do not induce vomiting. Immediately get medical help.

Most important Symptoms and Effects, both Acute and Delayed Symptoms: Treat chemical burns like burns. The material detaches itself with progressive healing. For this reason it is not necessary to remove product from skin immediately. Effects: The contact with the molten material/product can cause severe burns to skin and eyes. Indication of any Immediate Medical Attention and special Treatment needed:

Treat symptomatically.

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Fire-Fighting Measures

CO₂, extinguishing powder, water jet.

Unsuitable extinguishing media: None known.

Special Hazards arising from the Substance or Mixture

May cause explosive dust-air-mixtures. Take measures to prevent electricity static discharge. Ground properly.

Advice for Firefighters

Protective equipment: Wear self-contained respiratory protective device and full protective gear.

Further information:

Risk of dust explosion.

Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures. Personal precautions:

Wear protective clothing.

Avoid formation of dust.

Environmental Precautions

No special measures required.

Methods and Material for Containment and Cleaning Up

Methods and material: Take up mechanically and collect in suitable containers for chemical waste. Label container appropriately.

Handling and Storage

Precautions for Safe Handling. Instructions on safe handling:

Avoid contact with molten material.

Hygienic measures:

Keep away from foodstuffs and drinks.

Conditions for Safe Storage, including any Incompatibilities

Storage conditions: Store in tightly sealed containers in a dry and cool room.

Requirements for storage areas and containers:

Information on fire and explosion protection:

Risk of dust explosion.

Storage class (VCI):

Parameters to be controlled:

Derived No-Effect Level (DNEL): No values available.

Predicted No-Effect Concentration (PNEC):

No values available.

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Technical protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility or eyewash bottle. Provide adequate ventilation/exhaust system.

Personal Protection:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

Required in case of insufficient ventilation (EN 143 or 149).

Hand protection:

Wear heat resistant protective gloves.

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective suit with long sleeves.

Environmental precautions:

No special measures required.

Physical and Chemical Properties

Form: flakes

Colour: colorless

Odour: weak

Odor threshold: No information available.

pH-Value: not determined

Melting temperature: 124°C

Boiling temperature: not available

Flash point: 198°C

Evaporation rate: No information available.

Flammability (solid, gas): not available

Upper explosion limit: no information available

Lower explosion limit: no information available

Vapour pressure: not applicable

Vapor density: No information available.

Density: 0.97 g/cm³ (25°C)

Solubility in water: practically insoluble

Coefficient of variation (n-Octanol/Water): no information available

Auto-ignition temperature: No information available.

Decomposition temperature: No decomposition if used according to specifications.

Viscosity, dynamic: 1100 mPa.s (180°C)

Explosive properties: not available

Oxidizing properties: No information available.

Solubility in solvents: Viscosity, kinematic

Burning class: not available

Solvent content: not available

Solid content: not available

Particle size: not available

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Reactivity

Stable if used according to specifications.

Chemical Stability

The product is chemically stable.

Possibility of Hazardous Reactions

No information available.

Conditions to avoid

No decomposition if used according to specifications.

Thermal decomposition

No decomposition if used according to specifications.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide and dioxide.

Information on Toxicological Effects

Acute Toxicity: No information available.

LD50, oral:

LD50, dermal:

LC50, inhalation:

Primary effects: Irritant effect on skin:

Irritant effect on eyes: No information available.

Inhalation: No information available.

Ingestion: No information available

Sensitization: No relevant data found.

Mutagenicity: No relevant data found.

Reproductive toxicity: No information available.

Carcinogenicity: No relevant data found.

Teratogenicity: No information available.

Specific target organ toxicity (STOT): Single exposure: no information available.

Repeated exposure: no information available.

Additional toxicological information:

Skin /Eye contact: the molten material causes thermal burns.

Ecological Information

Aquatic Toxicity: No toxicity expected.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

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Persistency and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

Results of PBT- und vPvP Assessment

No data available.

Other Adverse Effects

Water hazard class: Not hazardous.

Behaviour in sewage systems

Further ecological effects: There are no data available on the product itself.

Waste Treatment Methods

Product: Dispose of according to official national and local regulations.

European Waste Code (EWC): Uncleaned packaging: Dispose of according to official local regulations.

Transport Information

UN Number ADR, IMDG, IATA

UN Proper Shipping Name ADR/RID: No hazardous goods according to ADR (land transportation).

IMDG/IATA: No hazardous goods according to IMDG.

Transport Hazard Classes

ADR Class: not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

Hazard no.:

Packaging Group

ADR/RID: not applicable

IMDG:

IATA:

Environmental Hazards

Not classified as environmentally hazardous.

Special Precautions for User

not applicable

Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

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Further Information

Do not store together with foodstuffs.

Regulatory Information

Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture
Water hazard class: 0, not hazardous

Local regulations on chemical accidents:
Employment restrictions:
Restriction and prohibition of application:
Technical instructions on air quality:

Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Further Information

Listed in: TSCA (US), AICS (AUS), DSL (CA), PICCS (PH), ECL (KR), MITI (JP), IECSC (CN)
OSHA: This product is a "Hazardous Chemical" as defined by the
OSHA Hazard Communication Standard, 29 CFR 1910.1200: Combustible dust

Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.

Component 3

Beeswax, Bleached

Hazards Identification

Classification of the Substance or Mixture: Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS). This product does not require classification and labelling as hazardous according to CLP/GHS. Classification according to Directive No. 67/548/EC or No. 1999/45/EC

The material is not subject to classification according to EC lists. Safety Phrases: Possible Environmental Effects:

Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)
This product does not require classification and labelling as hazardous according to CLP/GHS.
Hazard designation: Not applicable.

Composition/Information on Ingredients

Chemical Characterization: CAS No. 8012-89-3, EINECS 232-383-7 Beeswax (Apis mellifera Linné; Fam. Apidae):
100 % Information on Components / Hazardous Ingredients:

First Aid Measures

Take affected persons out into the fresh air.
After inhalation: No special measures required.
After skin contact: After contact with molten material cool affected skin with water. Do not try to remove material from skin or remove contaminated clothing, risk of tearing away skin. Get medical attention.
After eye contact: Rinse open eyes with plenty of water. In case of discomfort seek medical help.
After ingestion: Do not induce vomiting.

Most important Symptoms and Effects, both Acute and Delayed

Symptoms: No further information available.
Effects: Indication of any Immediate Medical Attention and special Treatment needed
Treatment: Treat symptomatically.

Fire-Fighting Measures

Extinguishing Media. Suitable extinguishing media: Foam, CO₂, dry extinguishing powder.
Unsuitable extinguishing media: Water

Special Hazards arising from the Substance or Mixture

Special hazards: In case of fire: formation of CO, CO₂ and fumes.

Advice for Firefighters

Protective equipment: Wear self-contained respiratory protective device.
Further information: Cool exposed containers with water spray.

Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures
Personal precautions: Avoid contact with skin, eyes and clothing.

Environmental Precautions

Environmental precautions: Prevent contamination of soil, drains and surface waters.

Methods and Material for Containment and Cleaning Up

Take up mechanically and collect in suitable containers or disposal.
Avoid dust formation.

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Handling and Storage

Precautions for Safe Handling Instructions on safe handling:
Avoid formation of dust.

Hygienic measures: Keep away from foodstuffs and drinks.

Conditions for Safe Storage, including any Incompatibilities

Storage conditions: Store containers in a well ventilated location.
Protect from direct exposure to light.
Protect against heat and direct sunlight.

Requirements for storage areas and containers:
No special measures necessary.

Information on fire and explosion

Product can form an explosive dust mixture under certain conditions. Keep away from sources of ignition.
Storage class (VCI): Combustible solids. Avoid dust formation

Exposure Controls/Personal Protection

Parameters to be controlled (DE):
No occupational exposure limits known.

Parameters to be controlled:
Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration
(PNEC):

Exposure Controls

Technical protective measures: Personal Protection

General protective measures: Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work.
Wash hands before breaks and at the end of work. Do not inhale dust.

Respiratory protection: Respiratory equipment required in case of insufficient ventilation, filter combination type A-P2.

Hand protection: Not required

Protective glove material: Nitrile rubber

Eye protection: Safety glasses with protective shields (EN 166).

Body protection: Protective clothing

Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Form: solid

Color: yellowish, white

Odor: weak, characteristic

Odor threshold: No information available.

pH-Value: not available

Melting temperature: not available

Boiling temperature: not applicable

Flash point: > 180°C

Evaporation rate: No information available.

Flammability (solid, gas): not available

Upper explosion limit: no information available

Lower explosion limit: no information available

Vapor pressure: not determined

Vapor density: No information available.

Density: 0.93 g/cm³ (20°C)

Solubility in water: insoluble



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Coefficient of variation (nOctanol/Water): no information available

Auto-ignition temperature: not applicable

Decomposition temperature: No data available.

Viscosity, dynamic: < 50 mPa.s (120°C)

Explosive properties: not applicable

Oxidizing properties: no information available

Stability and Reactivity

Stable if used according to specifications.

Chemical Stability

Stable if used according to specifications.

Possibility of Hazardous Reactions

Dust can form explosive mixtures with air.

Conditions to Avoid

Avoid heat, open fire and other ignition sources.

Thermal decomposition:

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

None if stored and handled according to specifications.

Information on Toxicological Effects

Acute Toxicity: No information available.

LD50, oral:

LD50, dermal: No information available.

LC50, inhalation: No information available.

Primary effects

Irritant effect on skin: No irritant effect known.

Irritant effect on eyes: No irritant effect known.

Inhalation: No irritant effect known.

Ingestion:

Sensitization: No sensitizing effects known.

Mutagenicity: No relevant data found.

Carcinogenicity: No relevant data found.

Teratogenicity: No information available.

Specific target organ toxicity (STOT): No relevant data found.

Additional toxicological information: No information available

Ecological Information

Aquatic Toxicity: No toxicity expected.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

Persistency and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

Results of PBT- und vPvP Assessment: No data available.

Other Adverse Effects

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Other Adverse Effects

Water hazard class: Not hazardous.
Behaviour in sewage systems:
Further ecological effects: AOX Value:

Disposal Considerations

Dispose of according to official national and local regulations. European Waste Code (EWC):
Uncleaned packaging: Dispose of according to official local regulations.
Waste Code No.:

Transport Information

UN Number

ADR, IMDG, IATA

UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation). IMDG/IATA:
No hazardous goods according to IMDG.

Transport Hazard Classes

ADR Class: not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class: not applicable

Hazard no.:

Packaging Group

ADR/RID: not applicable

IMDG:

IATA:

Environmental Hazards

None

Special Precautions for User

Not classified as a dangerous good under transport regulations. 14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code: not applicable

Regulatory Information

Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture
Water hazard class: 0, not hazardous (German Regulation; Self-assessment)
Local regulations on chemical accidents:
Employment restrictions: Restriction and prohibition of application: EC. REACH, Section XVII, Restrictions on the Manufacture Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable
Technical instructions on air quality:

Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

EC SVHC-List: This product does not contain a substance in the candidate list for substances of very high concern (REACH Regulation (EC) 1907/2006, Article 57)

Further Information: EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable.