

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 33-330
Print date 07.05.2020
Version 68.67

Imprägnierlasur
Revision date 04.05.2020
Issue date 04.05.2020

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

1.1. Product identifier

Article No. (manufacturer/supplier): 33-330
Trade name/designation Imprägnierlasur
kiefer
seidenglänzend

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

Relevant identified uses:

Varnish / paint

Uses advised against:

Aware of any other information

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

P.A. Jansen GmbH u. Co., KG
Maler-Spezialprodukte Telephone: +49 2641 3897-0
Hochstadenstraße 22 Telefax: +49 2641 3897-28
D-53474 Bad Neuenahr-Ahrweiler Homepage: www.jansen.de

Department responsible for information:

laboratory
E-mail (competent person) sicherheitsdatenblatt@jansen.de

1.4. Emergency telephone number

Emergency telephone number +49 2641 3897-51
Only available during office hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture *

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Aquatic Chronic 3 / H412 Hazardous to the aquatic environment Harmful to aquatic life with long lasting effects.

2.2. Label elements *

The product is classified and labelled according to EC directives or corresponding national laws.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P501 Dispose of contents/container to industrial incineration plant.

Hazard components for labelling

2-octyl-2H-isothiazole-3-one
Terbutryn (ISO)

Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH208 Contains 2-octyl-2H-isothiazole-3-one. May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition / information on ingredients

3.2. Mixtures *

Description Alkyd resin thin glaze

Classification according to Regulation (EC) No 1272/2008 [CLP]

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EC No. CAS No. INDEX No.	REACH No. Designation classification: // Remark	Wt %
918-481-9	01-2119457273-39 Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics Asp. Tox. 1 H304	70 - 100
203-572-1 108-32-7 607-194-00-1	01-2119537232-48 propylene carbonate Eye Irrit. 2 H319	1,5 - 2
245-018-1 22464-99-9	01-2119979088-21 2-Ethylhexanoic acid, Zirconium salt Repr. 2 H361d	0,1 - 0,15
212-950-5 886-50-0	Terbutryn (ISO) Acute Tox. 4 H302 / Skin Sens. 1B H317 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 1 H410 (M = 100) Specific concentration limit (SCL): Skin Sens. 1 H317 >= 3	< 0,025
247-761-7 26530-20-1 613-112-00-5	01-2120768921-45 2-octyl-2H-isothiazole-3-one Acute Tox. 4 H302 / Acute Tox. 3 H311 / Acute Tox. 3 H331 / Skin Corr. 1B H314 / Skin Sens. 1 H317 / Aquatic Acute 1 H400 (M = 1) / Aquatic Chronic 1 H410 (M = 1) Specific concentration limit (SCL): Skin Sens. 1 H317 >= 0,05	< 0,025

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

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5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways. Cool closed containers that are near the source of the fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

No data available

DNEL:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics

EC No. 918-481-9

DNEL long-term dermal (systemic), Workers: 300 mg/kg

DNEL long-term oral (repeated), Consumer: 300 mg/kg

DNEL long-term dermal (systemic), Consumer: 300 mg/kg

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DNEL long-term inhalative (systemic), Consumer: 900 mg/m³

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number. Observe the wear-time limits as specified by the manufacturer. Recommended respiratory protection articles : Inadequately ventilated workplaces and spraying procedures are necessary. Fresh air mask or short-time work combination filter A2-P2 are recommended.

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state:

Liquid

Appearance:

Liquid

Colour:

refer to label

Odour:

characteristic

Odour threshold:

No data available

pH at 20 °C:

no information

Melting point/freezing point:

-54 °C

Source: propylene carbonate

Initial boiling point and boiling range:

124 °C

Source: xylene, mixtures of isomers

Flash point:

> 61 °C

Method: EN ISO 1523

Evaporation rate:

No data available

flammability

Burning time (s):

No data available

Upper/lower flammability or explosive limits:

Lower explosion limit:

0,6 Vol-%

Method: literature value

Source: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics

Upper explosion limit:

7 Vol-%

Method: literature value

Source: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics

Vapour pressure at 20 °C:

0,6 mbar

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Source: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics

Vapour density: No data available

Relative density:
Density at 20 °C: 0,87 g/cm³
Method: DIN 53217

Solubility(ies):
Water solubility (g/L) at 20 °C: insoluble

Partition coefficient: n-octanol/water: see section 12

Auto-ignition temperature: 231 °C
Source: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics

Decomposition temperature: No data available

Viscosity at 20 °C: > 52 s 3 mm
Method: EN ISO 2431

Kinematic viscosity at 20 °C:: > 20,5 mm²/s

Explosive properties: No data available

Oxidising properties: No data available

9.2. Other information

Solid content (%): 24 Wt %

solvent content:

Organic solvents: 76 Wt %

Water: 0 Wt %

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

not applicable

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

propylene carbonate

oral, LD50, Rat: > 5000 mg/kg

dermal, LD50, Rabbit: > 2000 mg/kg

2-Ethylhexanacid, Zirconiumsalt

oral, LD50, Rat: > 5000 mg/kg

dermal, LD50, Rabbit: > 5000 mg/kg

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics

oral, LD50, Rat: > 5000 mg/kg

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Method: OECD 401
dermal, LD50, Rabbit: > 5000 mg/kg
Method: OECD 402
inhalative (vapours), LC50, Rat: > 4951 mg/l (4 h)
Method: OECD 403

Skin corrosion/irritation; Serious eye damage/eye irritation

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

Respiratory or skin sensitisation

2-octyl-2H-isothiazole-3-one

Skin:
sensitising

Terbutryn (ISO)

Skin:
sensitising.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

STOT-single exposure; STOT-repeated exposure

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

Aspiration hazard

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics
Aspiration hazard

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark

There is no information available on the preparation itself .

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

There is no information available on the preparation itself .

Do not allow to enter into surface water or drains.

12.1. Toxicity

propylene carbonate

Daphnia toxicity, EC50, Daphnia magna: > 500 mg/l (48 h)

Algae toxicity, ErC50: > 500 mg/l (72 h)

2-octyl-2H-isothiazole-3-one

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 0,036 mg/l (96 h)

Method: OECD 203

Daphnia toxicity, EC50: 0,42 mg/l (48 h)

Method: OECD 202

Algae toxicity, EC50, Scenedesmus subspicatus: 0,084 mg/l (72 h)

Method: OECD 201

Bacteria toxicity, EC20, Activated sludge: 10,4 mg/l (30 min)

2-Ethylhexanacid, Zirconiumsalt

Fish toxicity, LC50, Oryzias latipes: > 100 mg/l (96 h)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 1000 mg/l (96 h)

Method: OECD 203

Daphnia toxicity, EC50, Daphnia magna: > 1000 mg/l (48 h)

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Method: OECD 202
Algae toxicity, EC50, Pseudokirchneriella subcapitata: > 1000 mg/l
Method: OECD 201

Terbutryn (ISO)
Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 1,9 mg/l (96 h)
Method: OECD 203
Daphnia toxicity, EC50: 6,4 mg/l (48 h)
Method: OECD 202
Algae toxicity, EC50, Scenedesmus subspicatus: 0,0067 mg/l (72 h)
Method: OECD 201
Bacteria toxicity, EC20, Activated sludge: > 100 mg/l (3 h)
Method: OECD 209

Long-term Ecotoxicity

Harmful to aquatic life with long lasting effects.

2-octyl-2H-isothiazole-3-one
Fish toxicity, NOEC, Oncorhynchus mykiss (Rainbow trout): 0,022 mg/l (28 d)
Method: OECD 210
Daphnia toxicity, NOEC, Daphnia magna: 0,002 mg/l (21 d)
Method: OECD 211
Algae toxicity, NOEC: 0,004 mg/l (72 h)
Method: OECD 201

Terbutryn (ISO)
Fish toxicity, NOEC, Pimephales promelas (fathead minnow): 0,073 mg/l (21 d)
Method: OECD 210
Daphnia toxicity, NOEC, Daphnia magna: 0,05 mg/l (21 d)
Method: OECD 211
Algae toxicity, NOEC, Desmodesmus subspicatus: 0,0005 mg/l (72 h)
Method: OECD 201

12.2. Persistence and degradability *

propylene carbonate
: 85 % 83,5 - 87,7 % (29 d)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics
Biodegradation: 80 % (28 d); evaluation Readily biodegradable (according to OECD criteria)
Method: OECD 301F

Terbutryn (ISO)
Biodegradation: < 1 %
Method: OECD 301F
Not readily biodegradable (according to OECD criteria)

12.3. Bioaccumulative potential *

2-octyl-2H-isothiazole-3-one
Partition coefficient n-octanol /water (log P O/W):: 2,92
Method: OECD 117

Terbutryn (ISO)
Partition coefficient n-octanol /water (log P O/W):: 3,19
Method: OECD 117

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

**Appropriate disposal / Product
Recommendation**

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Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080111* Waste paint and varnish containing organic solvents or other dangerous substances

*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Appropriate disposal / Package

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

14.1. **UN number**
No data available

14.2. **UN proper shipping name**

14.3. **Transport hazard class(es)**
No data available

14.4. **Packing group**
No data available

14.5. **Environmental hazards**
Land transport (ADR/RID) No data available
Marine pollutant No data available

14.6. **Special precautions for user**
Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

tunnel restriction code -

Sea transport (IMDG)

EmS-No. No data available

14.7. **Transport in bulk according to Annex II of Marpol and the IBC Code**
not applicable

SECTION 15: Regulatory information

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

EU legislation

Regulation (EU) No. 528/2012 on biocides

treated article

Treated goods: The mixture contains biocidal active ingredients.

2-octyl-2H-isothiazole-3-one

Terbutryn (ISO)

Use

Main group 2: Preservatives

Product-type 7: Film preservatives

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

This product is not classified according to Directive 2012/18/EU.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

VOC product category: (Cat. A/f) ; VOC limit value: 700 g/l

Maximum VOC content (g/L) of the product in a ready to use condition: 700

National regulations

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Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
 Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

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918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics	01-2119457273-39
203-572-1 108-32-7	propylene carbonate	01-2119537232-48
245-018-1 22464-99-9	2-Ethylhexanacid, Zirconiumsalt	01-2119979088-21
247-761-7 26530-20-1	2-octyl-2H-isothiazole-3-one	01-2120768921-45

SECTION 16: Other information

Full text of classification in section 3:

Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Repr. 2 / H361d	Reproductive toxicity	Suspected of damaging the unborn child.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Skin Sens. 1B / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.
Aquatic Chronic 1 / H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.
Acute Tox. 3 / H311	Acute toxicity (dermal)	Toxic in contact with skin.
Acute Tox. 3 / H331	Acute toxicity (inhalative)	Toxic if inhaled.
Skin Corr. 1B / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.

Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
 Aquatic Chronic 3 Hazardous to the aquatic environment Calculation method.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

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UN United Nations
VOC Volatile Organic Compounds
vPvB very persistent and very bioaccumulative

Data sources:

Data arise from reference works and literature.

Further information

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

* Data changed compared with the previous version