



dassoXTR Material Safety Data Sheet

June 01, 2018

dassoXTR EPIC Fused Bamboo decking is made from (by weight):

- 1) Natural Bamboo – approx. 84%
- 2) Kaolin Clay – approx. 3%
- 3) Dynea Phenolic Resin – approx. 13%
- 4) And if pre-primed – Woca Exterior Oil < 1%

This includes all profiles made for usage as Decking, RainClad Siding and more...

Attached you will find Material Safety Data Sheets (MSDS) for the following:

- 1) dassoXTR EPIC Fused Bamboo Components
 - a. Product Technical Data Sheet (TDS)
 - b. Material Safety Data Sheet (MSDS)
- 2) From Dynea:
 - a. Product TDS
 - b. MSDS
- 3) From Trip Trap/WOCA:
 - a. Product TDS
 - b. MSDS

Should you need more information please contact dassoXTR at 1.404.691.6872

dassoXTR
6060 Boat Rock Blvd SW, Suite 800
Atlanta, GA 30336, USA

Emergency Phone: 1.971.272.1686
Additional Information: 1.404.691.6872
Email: info@dassoXTR.com

Product Identification

| Product | Manufacturing Location |
|---|------------------------|
| Unfinished dassoXTR Decking, Siding & Components | Hangzhou China. |
| Prefinished dassoXTR Decking, Siding & Components | Hangzhou China. |

Synonyms: Fused Bamboo Decking, Siding, Components

Hazardous Ingredients/Identity Information

| Name | CAS# | Percent | Agency | Exposure Limits | Comments |
|-------------------------------------|------|----------|--------|----------------------|---------------------------|
| Natural Bamboo #1 | None | 82-84% | OSHA | PEL-TWA 15 mg/m3 | Total dust |
| | | | OSHA | PEL-TWA 5 mg/m3 | Respirable dust fraction |
| | | | ACGIH | TLV-TWA 3 mg/m3 | Respirable dust fraction |
| | | | ACGIH | TLV-STEL 10 mg/m3 | Inhalable particles |
| Kaolin Clay | None | 2 – 4% | OSHA | PEL-TWA None | None |
| | | | ACGIH | TLV-TWA None | None |
| Dynea Phenol-formaldehyde #2 | None | 12 – 15% | OSHA | PEL-TWA 0.75 ppm | Free gaseous formaldehyde |
| | | | OSHA | PEL-STEL 2 ppm | Free gaseous formaldehyde |
| | | | ACGIH | TLV- Ceiling 0.3 ppm | Free gaseous formaldehyde |
| WOCA Exterior Oil #3 | None | 0-1% | OSHA | PEL-TWA None | None |
| | | | ACGIH | TLV-TWA None | None |

- Bamboo is a member of the grass family which has distinct anatomical differences from that of wood. Therefore, bamboo would be regulated as an organic dust in a category known as "Particulates Not Otherwise Regulated" (PNOR), or Nuisance Dust by OSHA. The ACGIH classifies dust or particulate in this category as "Particulates Not otherwise Specified".
- Dynea is the supplier of Phenolic Resin & attached is their MSDS. XTR Product contains no free formaldehyde.
- For pre-primed XTR decking, siding, or other components only, which was factory finished by dasso. WOCA brand Exterior Oil is the supplier & attached is their MSDS

Hazard Identification

Appearance and Odor:

A matrix of honey colored interlocking bamboo fibers bonded with phenol-formaldehyde resin having a slightly aromatic odor.

Primary Health Hazards:

The primary health hazards posed by these products are thought to be due to exposure to dust generated when machining this product (e.g. sanding, sawing, routing and or planning)..

Primary Route(s) of Exposure:

() Ingestion: (X) Skin: Dust (X) Inhalation: Dust

Medical Conditions Generally Aggravated by Exposure: Dust may aggravate preexisting respiratory conditions or allergies.

Chronic Health Hazards:

Bamboo dust has not been associated with any long term health effects including cancer in animals as well as humans.

Carcinogenicity Listing:

() NTP: Not Listed () IARC Monographs: Not Listed;
() OSHA Regulated: Not Listed

Emergency & First Aid Procedures

Ingestion:

Not applicable under normal use.

Eye Contact:

Dust may cause mechanical irritation. Treat dust in eye as foreign object. Flush with water to remove dust particles. Get medical help if irritation persists.

Skin Contact: Not applicable for this product in its purchased or breathing difficulty occurs.

form, frequent handling of dust or product in its manufactured form may cause some minor drying of the skin, mechanical abrasion, cuts or slivers. Wash hands after handling and obtain medical help if rash or irritation occurs.

Skin Absorption: Not known to occur under normal use.

Inhalation: Not applicable for this product in its purchased form. Bamboo dust may cause obstruction in the nasal passages, resulting in dryness of nose, dry cough and sneezing. Remove to fresh air. Get medical help if persistent irritation, severe coughing

Fire & Explosion Data

Flash Point (Method Used): NAP

Flammable Limits: LEL: NAP UEL: NAP

Extinguishing Media: Water, carbon dioxide, sand or dry chemical.

Auto ignition Temperature: Variable [typically 400-500°F (204-260°C)]

Special Firefighting Procedures: None.

Unusual Fire and Explosion Hazards: None

Accidental Release Data

Steps to be Taken In Case Material Is Released or Spilled: Not applicable for product in purchased form. Dust generated from sawing, sanding, drilling, or routing of products may be vacuumed or shoveled for recovery or disposal. Avoid dusty conditions and provide good ventilation. A NIOSH-approved dust respirator should be worn if dust exposure limits are exceeded.

Handling & Storage

Precautions to be Taken In Handling and Storage: No special handling precautions are required for products in purchased form. These products may release very small quantities of formaldehyde in gaseous form. Under foreseeable conditions of use, these products release less than 0.020 ppm in standard large chamber test conditions. Keep in cool, dry place away from open flame. Store in well ventilated area.

Exposure Control Measures

Personal Protective Equipment:

RESPIRATORY PROTECTION -- Not applicable for product in purchased form. A NIOSH-approved dust respirator is recommended when allowable exposure limits are exceeded.

PROTECTIVE GLOVES -- Not required. However, cloth, canvas, or leather gloves are recommended to minimize potential mechanical irritation or slivers from handling and machining product.

EYE PROTECTION -- Not applicable for product in purchased form. Goggles or safety glasses are recommended when machining this product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT -- Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

WORK/HYGIENE PRACTICES -- Follow good hygienic and housekeeping practices. Clean up areas where wood dust settles to avoid excessive accumulation of this combustible material. Minimize clean-up with compressed air or other practices that generate high airborne-dust concentrations.

Ventilation:

LOCAL EXHAUST - Provide local exhaust as needed so that exposure limits are met.

MECHANICAL(GENERAL) - Provide general ventilation in processing and storage areas so that exposure limits are met.

SPECIAL - None.

OTHER - None.

Physical Chemical Properties

Boiling Point (@ 760 mm Hg):

NAP

Vapor Pressure (mm Hg):

NAP

Vapor Density (air = 1; 1 atm):

NAP

Specific Gravity (H₂O = 1):

1.18 g/ml

Evaporation Rate (Butyl acetate = 1):

NAP

Solubility in Water (% by weight):

<0.1

% Volatile by Volume [@ 70°F (21°C)]: 0

Oil-water distribution coefficient: NAP

PH: NAP

Odor threshold: ND

Stability & Reactivity

Stability: () Unstable (x) Stable

Conditions to Avoid: Avoid open flame. Product may ignite at temperatures in excess of 400°F (204°C).

Incompatibility (Materials to Avoid): Avoid contact with oxidizing agents.

Hazardous Decomposition or By-Products: Thermal decomposition products include carbon monoxide, carbon

dioxide, aliphatic aldehydes, rosin acids, terpenes, and polycyclic aromatic hydrocarbons.

Hazardous Polymerization: () May occur (x) Will not occur

Sensitivity to Mechanical Impact: NAP

Sensitivity to Static Discharge: NAP

Toxicological Information

None available for product in purchased form.

Formaldehyde OSHA Hazard rating = 3 for local and systemic acute and chronic exposures; highly toxic. Irritation studies: human skin, 150 ug/3 days, intermittent exposure produced mild results; human eye, 1 ppm/6 minutes, produced mild results. Toxicity studies: human inhalation TCLO of 8 ppm reported but response not specified; human inhalation TCLO of 17/mg/m³ for 30 minutes produced eye and pulmonary results; human inhalation TCLO of 300ug/m³ produced nose and CNS results; LC50 (rat, inhalation) = 1,000 mg/m³/30 minutes; LC50 (mice, inhalation) = 400mg/m³/2 hours.

Sources: Lewis, R.J., Sr. 1992 *Sax's Dangerous Properties of Industrial Materials*, Eighth Edition, Van Nostrand Reinhold, NY.; *NIOSH Registry of Toxic Effects of Chemical Substances (RTECS)*, 1983-1984 Cumulative Supplement to 1981-1982 Edition and May 1995; *OSHA Regulated Hazardous Substances*, Government Institutes, Inc., February 1990.

Ecological Information

No information available at this time.

Disposal Consideration

Waste Disposal Method: If disposed of or discarded in its purchased form, incineration is preferable. Dry land disposal is acceptable in most states. It is, however, the user's responsibility to determine at the time of disposal whether your product meets RCRA criteria for hazardous waste. Follow applicable federal, state, and local regulations.

Transport Information

Not regulated as a hazardous material by the U.S. Department of Transportation. Not listed as a hazardous material in Canadian Transportation of Dangerous Goods (TDG) regulations.

Regulatory Information

TSCA: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

Chemicals listed: Formaldehyde CAS# 50-00-0

DSL: All ingredients are listed or are not required to be listed under the Canadian Domestic Substance List.

Chemicals listed: Formaldehyde CAS# 50-00-0

WHMIS Classification: Not a controlled product

STATE RIGHT-TO KNOW

- **California Prop 65** –This product contains formaldehyde which depending on temperature and humidity may be emitted from the product. Formaldehyde is a compound that is known in the State of California to cause cancer. dassoXTR has evaluated formaldehyde emission rates from its products (typical range of 0–0.01 ppm) and found these rates to be below the no significant risk level that would require product warnings.
- **New Jersey** - Not listed

- **Pennsylvania** –This product contains formaldehyde which depending on temperature and humidity may be emitted from the product. When cut or otherwise machined, the product may emit wood dust, a listed substance in Pennsylvania

• **SARA 313 Information**

This product contains formaldehyde at a concentration that subjects the chemical to SARA Title III Section 313 supplier notification requirements. However, the emissions characteristics and concentrations have been measure using ASTM E1333 test methods (typical average concentration of 0.015 ppm equates to a yearly emission rate of 0.01 lbs/yr). This emission rate falls well below the Threshold Planning Requirement for Formaldehyde of 500 lbs.

• **SARA 311/312 Hazard Category**

This product has been reviewed according to the EPA "Hazard Categories" promulgated under SARA Title III Sections 311 and 312 and is considered, under applicable definitions, to meet the following categories:

- An immediate (acute) health hazard – yes – dust only
- A delayed (chronic) health hazard - no
- A fire hazard - no
- A reactivity hazard - no
- A sudden release hazard – no

Additional Information

Date Prepared: 05/1/18

Prepared By: Hongzheng Liu

User's Responsibility:

This information is offered in good faith. It is believed to be accurate and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation, and verification. Dasso XTR makes no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. Furthermore, Dasso XTR will not be liable for claims relating to any party's use of, or reliance on information and data contained herein, regardless of whether it is claimed that the information and data are inaccurate, incomplete, or otherwise misleading. It is the responsibility of the user to comply with local, state, and/or federal regulations concerning the storage, use, processing, and disposal of the product or subsequently generated waste. It is the responsibility of the user to ensure that this MSDS is the most current version.

Definition of Common Terms:

| | | | |
|--------------|--|--------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists | NAP | Not Applicable |
| C | Ceiling Limit | NAV | Not Available |
| CAS# | Chemical Abstracts System Number | NIOSH | National Institute for Occupational Safety and Health |
| DSL | Canadian Domestic Substance List | NTP | National Toxicology Program |
| EPA | U.S. Environmental Protection Agency | OSHA | Occupational Safety and Health Administration |
| IARC | International Agency for Research on Cancer | PEL | Permissible Exposure Limit |
| LCLo | Lowest concentration in air resulting in death | PPM | Parts of gas or vapor per million parts of air |
| LC50 | Concentration in air resulting in death to 50% of experimental animals | RCRA | Resource Conservation and Recovery Act |
| LDLO | Lowest dose resulting in death | STEL | Short-Term Exposure Limit (15 minutes) |
| LD50 | Administered dose resulting in death to 50% of experimental animals | TDG | Canadian Transportation of Dangerous Goods |
| MSHA | Mining Safety and Health Administration | TCLO | Lowest concentration in air resulting in a toxic effect |
| ND | Not Determined | TDLO | Lowest dose resulting in a toxic effect |
| | | TLV | Threshold Limit Value |
| | | TSCA | Toxic Substance Control Act |
| | | TWA | Time-Weighted Average (8 hours) |
| | | WHMIS | Workplace Hazardous Materials Information System |

Technical Data Sheet

www.dynea.com

R&D Centre
Region Asion Pacific

Liquid Phenol-Formaldehyde Resin

Exp 3G 0063L

Application

Liquid phenol formaldehyde Exp 3G 0063L is one type of thermosetting glue, which applies to wood industry and especially to bamboo industry. Base on impregnation and saturation industry, Dynea from Finland developed the special resin, having good penetrability, excellent wettability, and high bonding strength, resistance to aging and low free formaldehyde.

Specification

| | |
|---------------------------|------------------|
| Appearance | Brown red liquid |
| Viscosity (30°C) | 30~80cps |
| Solid content (1hr/135°C) | 48~52 % |
| Free formaldehyde | ≤0.5 % |
| Free phenol | ≤3% |
| pH | 9.5~10.5 |
| Water solubility (25°C) | ≥20 times |

Package

1200Kg in PE drum or tanker.

Storage

| | |
|---------------------|---------------------|
| Storage temperature | Storage life |
| 5-10°C | Approximate 45 days |
| 10-20°C | Approximate 30 days |

The temperature for Exp 3G 0063L storage should be 10-20 °C. At this temperature, Exp 3G 0063L kept in normal iron drum or PE drum may be stored for 30 days. Keep at low storage

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temperature as far as possible. The storage life is related to glue viscosity, and the glue viscosity will increase with the storage life, increasing speed depends on the temperature. Higher temperature, shorter storage life.

Application in wood and bamboo industry

Resin Impregnation

Because of the special fibre structure of bamboo, resin impregnation is the glue spread method applying to bamboo. Water is used properly to lower viscosity and solid content of the resin before resin impregnation, which is benefit for glue saturation in bamboo. Solid content which is confirmed by material and manufacturing technique can be kept at 30% in resin impregnation.

Keep stable resin impregnation conditions including solid content, resin temperature, resin viscosity, pH value and so on, which is good to stabilize upper manufacturing technique. Negative pressure vaccumize method is used to improve resin impregnation

Resin impregnation is adjusted according to actual situation.

Assembly

Assembly depends on panel structure and thickness requirement

Hot Pressing

The adoption of different pressure should refer to different species' densities. hot pressing pressure is 50~90kg/cm².

Hot pressing temperature: 125~150°C.

Hot pressing time: thickness of the finished product × (1.3-1.8) min + pressure holding time (10-20 min). If the panel structure is special, hot pressing time will be confirmed by actual situation.

It is suggested that heat stacking should be done for several hours after hot pressing to make the glue fully curing. Heat stacking also can avoid warp, distortion and crack.

Cleaning

Resin impregnation equipment must be cleaned up using cold water before and after glue mixing. Once the glue dry out and become insoluble, it will have to be removed by scrape. We should be careful to deal with residual glue and cleanout water according to the requirement of local environment protection department.



MATERIAL SAFETY DATA SHEET

Product : Phenolic resin EXP3G0063L

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1) IDENTIFICATION OF SUBSTANCE AND COMPANY :

- Trade name :

- Company/supplier :

Phenolic resin : Prefere70 5504L

DYNEA (Guangdong) CO., LTD
Jinli Town, Gaoyao City,
Guangdong Province, China
Zip code:526105
Tel. : (86) 0758-8579988

2) COMPOSITION / DATA ON COMPONENTS :

Synthetic resin resulting of the polycondensation of phenolic function materials with formaldehyde, resol type in aqueous solution.

- Dangerous components :

| Components | | n° CAS | Phrases R |
|-----------------------------|--------|----------|-------------------|
| Phenol-Formaldehyde Polymer | ab 50% | / | / |
| Water | ab 50% | / | / |
| Phenol : <3 % | | 108-95-2 | 24/25 34 |
| Formaldehyde : <0.5 % | | 50-00-0 | 23/24/25-34-40-43 |

3) HAZARDS IDENTIFICATIONS.:

- Harmful effects on health :

- Harmful effects on environment :

- Physical and chemical hazards :

- Classification - specific risks :

T : Toxic
R 24/25 : Toxic in contact with skin and if swallowed
R 34 : Causes burns
R 43 : May cause sensitization by skin contact
Risk of pollution of water in case of accidental spillage

Exothermic reaction with acids
Exothermic crosslinking reaction above 100°C
T : Toxic
(according EEC directives)

4) FIRST AID MEASURES :

- General indication :
- Inhalation :

- Skin contact :
- Eyes contact :
- Ingestion :

Instantly remove any clothing soiled by the product
Remove the victim to fresh air. In case of irregular breathing or respiratory arrest provide artificial respiration
Wash with water and soap
Wash with plenty of water. Can be irritating. Seek medical advice.
Wash out mouth immediately with water. Seek medical advice.

5) FIRE FIGHTING MEASURES :

- Fire fighting :
- Specific hazards :
- Protective equipments :

Pulverised water - Carbon dioxide
Harmful and irritating fumes emission
Automatic respiratory apparatus recommended

6) ACCIDENTAL RELEASE MEASURES :

- Safety precautions for people :
- Measures for environmental protection :
- Measures for cleaning/collecting :
* Collecting :
* Elimination :

Wear a protective equipment, clothes, gloves and goggles
Dam up and restrain the spillage
Avoid the contamination of sewers and rivers

Collect the liquid with liquid binding material (sand - sawdust)
Destroy the material by incineration in a licensed incinerator

7) HANDLING AND STORAGE :

- Handling :
* Technical measures :
* Precautions :

No special recommendations
Wear gloves and goggles
Do not smoke during manufacturing
Ensure a good ventilation of the working places, particularly where the crosslinking of the resin take place (emission of fumes)

- Storage :
 - * Technical measures
 - * Recommended storage conditions
 - * Storage conditions to avoid :
 - * Incompatible materials :
 - * Recommended packing materials :

Resol type resin are ageing during storage
Assure a correct stock protection
Store in cool conditions, in original closed drums
Keep away from heat
For alcalin resols avoid sensitive metals, such as aluminium, etc.
Polyethylene - Polypropylene - Steel

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION :

- Technical measures :
- Exposure parameters :
- Protective equipments :
 - * Breath protection:
 - * Hands protection:
 - * Eyes protection :
 - * Body protection :
- Hygiene measures :

During crosslinking of the resin by heat, there is an emission of fumes (water, phenol, etc.)
Ensure good ventilation/exhaustion at the work place

| | FRANCE | | GERMANY | USA |
|---------------------------|----------------------------------|--------------------------------|-----------------------------------|-----------------------------------|
| | VME | VLE | MAK | ACGIH TLV |
| Formol n° CAS 50-00-0 | 0,5 ppm 0,6 mg/m ³ | 1 ppm 1,2 mg/m ³ | 0.3 ppm 0.37 mg/m ³ | 0.3 ppm 0.37 mg/m ³ |
| Phenol n° CAS 108-95-2 | 5 ppm 19 mg/m ³ | / / | 5 ppm 19 mg/m ³ | 5 ppm 19 mg/m ³ |

No special requirement
Wear PVC or other plastic materials gloves
Wear goggles
If risk of splash, wear a protective cloth
Do not eat and do not smoke during the use of the resin

9) PHYSICAL AND CHEMICAL PROPERTIES :

- Physical aspect
- Form :
- Colour :
- pH :
- Decomposition temperature :
- Flash point :
- Ignition temperature :
- Explosivity datas :
- Density :
- Solubility :

Liquid
Liquid
Reddish
8 9
About 300°C
> 300°C
Product not self igniting(>500°C)
Product not explosive
/
Soluble in water

10) STABILITY AND REACTIVITY

- Stability :
- Dangerous reactions :
- Dangerous products of decomposition

Resol type resin are ageing during storage. They are not stable
At high temperature (>80°C) crosslinking reactions occur with an exothermic effect
Dangerous reactions with acids, a cross linking reaction may happen, also with exothermic effect
The decomposition begins at about 300°C
Between 300 & 600°C emission of gaseous products H₂O - CO - CO₂ - Methane - Phenols - Cresols - Xylenols
The total oxydation will give H₂O - CO - CO₂

11) TOXICOLOGICAL INFORMATIONS :

- Acute Toxicity :
- Primary irritant effect - sensitization :
 - * on the skin :
 - * on eyes :
 - * sensitization :
- Chronic toxicity - long term toxicity :

DL 50 orl/rat : > 5000 mg/kg
Caustic effect on skin and mucous membranes
Strong caustic effect
Risk of sensitizing effect
Swallowing will lead to a caustic effect on mouth and throat



Safety data sheet

Exterior Wood Oil Exclusive

1. Identification of the substance/preparation and of the company/undertaking

Prepared on: 19-11-2008/ LFH

Product use Exterior Wood Oil

Distributor:

WOODCARE DENMARK A/S
Havnevej 17
9560 Hadsund

Tel:99585600 Fax:99585634

Emergency telephone number: +45 99585600

The emergency telephone is open between 8 a.m. and 4 p.m. on workdays.

Contact person:Simon Greve

Email: info@ttwoodcare.com

2. Hazards identification

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Additional information

Persons with a known allergy to Propiconazole or cobalt(2+) salts may exhibit an allergic response to the product.

3. Composition/information on ingredients

| Einecs no. | CAS No. | Substances | Classification | w/w% | |
|------------|--------------|---|------------------------------|------|---|
| 259-627-5 | 55406-53-6 | 3-iodo-2-propynyl butylcarbamate | Xn;R20/22- R41 N;R50 | <0,2 | - |
| 262-104-4 | 60207-90-1 | Propiconazole | Xn;R22 R43 N;R50/53 | <0,5 | - |
| 265-185-4 | 64742-82-1-c | Naphtha (petroleum), hydrodesulfurized heavy | R10 Xn;R65 R66 R67 N; R51/53 | <0,2 | 4 |
| | 68409-81-4-a | Fatty acids, C9-19-branched, cobalt(2+) salts | Xi;R38,R43 | <0,7 | - |

4) R65 is not applicable due to the high viscosity of the product.
Please see section 16 for the full text of the R-phrases

4. First aid measures

Inhalation

Seek fresh air.

Ingestion

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.

Skin

Wash skin with soap and water.

Eyes

Rinse immediately with water (preferably using eye wash) for at least 5 minutes. Open eyes wide. Remove any contact lenses.

Other information

When obtaining medical advice, show the safety data sheet or label. Symptoms: See section 11.

5. Fire-fighting measures

Extinguish with powder, foam, carbon dioxide or water mist. Do not use water stream, as it may spread the fire. Use water or water mist to cool non-ignited stock. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air.

6. Accidental release measures

Prevent spillage from entering drains and/or surface water.

7. Handling and storage

Handling

See section 8 for information about precautions for use and personal protective equipment.

Storage

There are no special storage requirements but the product should be stored safely, out of reach of children and not together with food, animal feeding stuffs, medicines, etc.

8. Exposure controls/ personal protection

Precautions for use

Use the product under well-ventilated conditions.

Respiratory protection

Not required.

Gloves and protective clothing

Wear protective gloves made of nitrile rubber,

Eye protection

Wear safety goggles if there is a risk of eye splash.

Occupational exposure limits

Contains no substances subject to reporting requirements.

9. Physical and chemical properties

State: Liquid

Density: - g/ml 1

10. Stability and reactivity

The product is stable when used in accordance with the supplier's directions.

11. Toxicological information

Acute

Inhalation

Inhalation of vapours may cause irritation to the upper airways.

Ingestion

Ingestion may cause discomfort.

Skin contact

Irritating to skin – may cause reddening.

Eye contact

May cause eye irritation.

Risk of sensitization

The product contains small quantities of Propiconazole or cobalt(2+) salts. Persons with stated allergy may react to the product.

Long-term effects

None known.

12. Ecological information

Do not discharge large quantities of concentrated spills and residue into drains.

13. Disposal considerations

Collect spills and waste in closed and sealed containers and send to the local disposal facility for chemical waste.

14. Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR and IMDG.

15. Regulatory information

Hazard designation:

R-phrases

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R52/53)

Other labelling

Contains Propiconazole and cobalt(2+) salts. May produce an allergic reaction.

Volatile organic compounds (VOC):

This product contains a maximum of 70 g VOC/L. The limit value is 150 g VOC/L (cat. A/-)

Chemical safety assessment

Chemical safety assessment has not been performed.

16. Other information

Restrictions on use

None.

Training requirement

No special training is required, but a thorough knowledge of this safety data sheet should be a prerequisite condition.

Sources used

Other information

This safety data sheet was prepared from information provided by the supplier about physical/chemical properties and all ingredients in the product.

Full text of the R-phrases that are stated in section 3.

R10 Flammable.

R20/22 Harmful by inhalation and if swallowed.

R22 Harmful if swallowed.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.