



UV resistant varnish matt

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 21-02-2014

Revision date:

Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : UV resistant varnish matt
Product code : 982

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : Varnish

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Old Holland Classic Colours Since 1664
Nijendal 36
3972 KC Driebergen Rijsenburg - Nederland
T 0031 343 518 224 - F 0031 343 516 342
info@oldholland.com - www.oldholland.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
NETHERLANDS	Nationaal Vergiftigingen Informatie Centrum National Institute for Public Health and the Environment, NB this service is only available to health professionals	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 2 H225
Acute Tox. 4 (Inhalation:dust,mist) H332
Skin Sens. 1 H317
STOT SE 3 H336
Asp. Tox. 1 H304
Aquatic Chronic 2 H411

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

F; R11
Xn; R65
R43
N; R51/53
R66
R67

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

methanol, SILICA, reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H317 - May cause an allergic skin reaction
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P261 - Avoid breathing vapours, mist, spray
P273 - Avoid release to the environment
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, doctor
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P331 - Do NOT induce vomiting

EUH phrases :

EUH066 - Repeated exposure may cause skin dryness or cracking

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)	(EC no) 919-446-0 (REACH-no) 01-2119458049-33	< 75	Xn; R65 N; R51/53 R10 R66 R67
Solventnaphta 170	(CAS No) 64742-95-6 (EC no) 918-668-5 (REACH-no) 01-2119455851-35	10 - 25	Xn; R65 Xi; R37 N; R51/53 R10 R66 R67
SILICA	(CAS No) 7631-86-9 (EC no) 231-545-4	1 - 5	Not classified
reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	(EC no) 400-830-7 (EC index no) 607-176-00-3 (REACH-no) 01-0000015075-76	1 - 5	R43 N; R51/53
methanol	(CAS No) 67-56-1 (EC no) 200-659-6 (EC index no) 603-001-00-X	< 1	F; R11 T; R23/24/25 T; R39/23/24/25
Name	Product identifier	Specific concentration limits	
methanol	(CAS No) 67-56-1 (EC no) 200-659-6 (EC index no) 603-001-00-X	(3 =< C < 20) Xn;R20/21/22 (3 =< C < 10) Xn;R68/20/21/22 (10 =< C) T;R39/23/24/25 (20 =< C) T;R23/24/25	

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6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Avoid breathing vapors, mist, spray.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No naked lights. No smoking. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Avoid breathing vapors, mist, spray.
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Explosion-free electrical equipment and lighting with earth.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep in fireproof place. Keep container tightly closed.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure. Insufficient ventilation: wear respiratory protection. Gloves. Safety glasses.



Hand protection : Wear protective gloves. Since the product consists of several substances, it is possible to estimate the durability of the glove material beforehand and it therefore needs to be tested before use. Gloves must be replaced after each use and whenever signs of wear or perforation appear.
Eye protection : Chemical goggles or safety glasses.
Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear respiratory protection.
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Colourless.
Odour : characteristic.
Odour threshold : No data available
pH : No data available

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Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapour
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established. Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if inhaled.

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ATE (dust,mist)	1,500 mg/l/4h
methanol (67-56-1)	
ATE (oral)	100,000 mg/kg bodyweight
ATE (dermal)	300,000 mg/kg bodyweight
ATE (gases)	700,000 ppmV/4h
ATE (vapours)	3,000 mg/l/4h
ATE (dust,mist)	0,500 mg/l/4h
Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 4 mg/kg
Solventnaphta 170 (64742-95-6)	
LD50 oral rat	3592 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
ATE (oral)	3592,000 mg/kg bodyweight
SILICA (7631-86-9)	
LD50 oral rat	> 5110 mg/kg

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SILICA (7631-86-9)	
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	0,139 mg/l/4h
ATE (dust,mist)	0,139 mg/l/4h

Skin corrosion/irritation	: Not classified Repeated exposure may cause skin dryness or cracking
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: May be fatal if swallowed and enters airways.
Potential Adverse human health effects and symptoms	: Harmful if inhaled.
Other information	: Risk of aspiration pneumonia.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Toxic to aquatic life with long lasting effects.

Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)

EC50 Daphnia 1	7,8 g/l
EC50 other aquatic organisms 1	3,59 g/l

Solventnaphta 170 (64742-95-6)

LC50 fishes 1	9,2 mg/l
EC50 Daphnia 1	3,2 mg/l
ErC50 (algae)	2,6 - 2,9 mg/l
NOEC chronic fish	1,23 mg/l

SILICA (7631-86-9)

LC50 fishes 1	> 10000 mg/l
EC50 Daphnia 1	> 1000 mg/l
ErC50 (algae)	>= 10000 mg/l

reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)

LC50 fishes 1	2,8 mg/l
EC50 Daphnia 1	4 mg/l
ErC50 (algae)	> 9 mg/l

12.2. Persistence and degradability

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Persistence and degradability	May cause long-term adverse effects in the environment.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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12.6. Other adverse effects

: Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ...

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No (ADR) : 1263

UN-No.(IATA) : 1263

UN-No. (IMDG) : 1263

UN-No.(ADN) : 1263

14.2. UN proper shipping name

Proper Shipping Name : PAINT / PAINT RELATED MATERIAL

Transport document description : UN 1263 PAINT / PAINT RELATED MATERIAL, 3, III, (D/E)

14.3. Transport hazard class(es)

Class (UN) : 3

Classification code (UN) : F1

Class (IATA) : 3

Class (IMDG) : 3

Class (ADN) : 3

Hazard labels (UN) : 3



14.4. Packing group

Packing group (UN) : III

14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes



Other information : No supplementary information available.

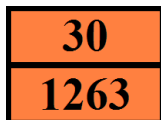
14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 30

Classification code (UN) : F1

Orange plates :



Special provision (ADR) : 163, 650, 640E

Transport category (ADR) : 3

Tunnel restriction code : D/E

Limited quantities (ADR) : 5L

Excepted quantities (ADR) : E1

EAC code : •3YE

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14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

No additional information available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

Seveso Information :

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road). ATE: Acute Toxicity Estimated. CAS: Chemical Abstracts Service (division of the American Chemical Society). CLP: Classification, Labeling and Packaging. CMR: Carcinogen, Mutagen, Reprotoxisch . CSA: Chemical Safety Assessment . CSR: Chemical Safety Report . DNEL: Derived No Effect Level (for human). EC50: Median Effective Concentration (required to induce a 50% effect). EINECS: European Inventory of Existing Commercial Chemical Substances. GHS: Globally Harmonized System of Classification and Labelling of Chemicals. IATA: International Air Transport Association. IMDG: International Maritime Code for Dangerous Goods. LC50: Lethal concentration, 50 percent. LD50: Lethal dose, 50 percent . PBT: Persistent, Bio accumulating and Toxic. PNEC: Predicted No Effect Concentration (for environment) . REACH: Registration, Evaluation and Authorisation of Chemical substances . RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail). SVHC: Substances of Very High Concern . vPvB: very Persistent, very Bio accumulating.
Other information	: REACH Disclaimer: This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of R-, H- and EUH-phrases::

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 2	Flammable liquids, Category 2

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Flam. Liq. 3	Flammable liquids, Category 3
Skin Sens. 1	Sensitisation — Skin, category 1
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H301	Toxic if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H317	May cause an allergic skin reaction
H330	Fatal if inhaled
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H370	Causes damage to organs
H411	Toxic to aquatic life with long lasting effects
R10	Flammable
R11	Highly flammable
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R37	Irritating to respiratory system
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R43	May cause sensitisation by skin contact
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
F	Highly flammable
N	Dangerous for the environment
T	Toxic
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product