

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : Finish  
Product code : **7195000**  
Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use  
Industrial/Professional use spec. : Coatings and paints, thinners, paint removers  
Use of the substance/mixture : Paint / Coating  
Use of the substance/mixture : Roller application or brushing  
Spraying

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Spuitbedrijf R. van der Horst BV  
Mercuriusplein 4a  
2685 LP Poeldijk - Nederland  
T +31 (0) 174-240 531 - F +31 (0) 174- 248 939  
[info@rvdhorst.nl](mailto:info@rvdhorst.nl) - [www.rvdhorst.nl](http://www.rvdhorst.nl)

### 1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
NETHERLANDS	Nationaal Vergiftigingen Informatie Centrum National Institute for Public Health and the Environment, N.B.: this service is only available to health professionals	Postbus 1 3720 BA Bilthoven	+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]

Flammable liquids, Category 3 H226  
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336  
Specific target organ toxicity — Repeated exposure, Category 1 H372  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

GHS08

CLP Signal word : Danger

Hazardous ingredients : Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics

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

Revision date: 18/06/2018

Date of issue: 15/11/2013 Version: 3.1

Hazard statements (CLP)	: H226 - Flammable liquid and vapour. H336 - May cause drowsiness or dizziness. H372 - Causes damage to organs through prolonged or repeated exposure. H412 - Harmful 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. P240 - Ground/bond container and receiving equipment. P260 - Do not breathe vapours, mist, spray. P280 - Wear protective clothing, protective gloves, eye protection. P284 - Wear respiratory protection. P273 - Avoid release to the environment.
EUH phrases	: EUH066 - Repeated exposure may cause skin dryness or cracking. EUH208 - Contains 2-butanone oxime(96-29-7), Fatty acids, C6-19-branched, cobalt(2+) salts(68409-81-4). May produce an allergic reaction.
Child-resistant fastening	: Not applicable
Tactile warning	: Not applicable

### 2.3. Other hazards

Other hazards not contributing to the classification : The product may charge electrostatically: use earthing leads when transferring from one container to another.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics (Note P)	(EC-No.) 919-446-0 (REACH-no) 01-2119458049-33	10 - 20	Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 Asp.Tox. 1, H304 Aquatic Chronic 2, H411
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (Note P)	(CAS-No.) 64742-48-9, 1174522-20-3 (EC-No.) 919-857-5 (REACH-no) 01-2119463258-33	10 - 20	Flam. Liq. 3, H226 STOT SE 3, H336 Asp.Tox. 1, H304
2-butanone oxime	(CAS-No.) 96-29-7 (EC-No.) 202-496-6 (EC Index-No.) 616-014-00-0 (REACH-no) 01-2119539477-28	0.1 - 1	Carc. 2, H351 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Skin Sens. 1, H317
Fatty acids, C6-19-branched, cobalt(2+) salts	(CAS-No.) 68409-81-4 (EC-No.) 270-066-5 (EC Index-No.) -- (REACH-no) 01-2119524678-29	0.1 - 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411

Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-) P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases (2-) 23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth.
First-aid measures after inhalation	: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain emergency medical attention.
First-aid measures after skin contact	: Do not use solvents or thinners. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.
First-aid measures after ingestion	: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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

Revision date: 18/06/2018

Date of issue: 15/11/2013      Version: 3.1

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

Symptoms/injuries	: Exposure to vapor exposures / mists with concentrations higher than the limit may be harmful to health.
Symptoms/injuries after inhalation	: Symptoms may include dizziness, headache, nausea and loss of co-ordination.
Symptoms/injuries after skin contact	: Repeated or prolonged contact may cause sensitization of the skin (dermatitis, reddening).
Symptoms/injuries after eye contact	: May cause irritation, including burning sensation, tearing, redness or swelling.
Symptoms/effects after ingestion	: Ingestion may cause nausea, vomiting and diarrhea.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Foam, powder, carbon dioxide (CO <sub>2</sub> ), water spray.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable liquid. Fire will produce dense black smoke. Vapours are heavier than air and spread above ground. In use, may form flammable/explosive vapour-air mixture.
Explosion hazard	: May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Hazardous decomposition products in case of fire	: Fire will produce dense black smoke. Thermal decomposition generates : Carbon monoxide. Carbon dioxide. Nitrogen oxides.

#### 5.3. Advice for firefighters

Firefighting instructions	: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Reference to other sections (8, 13).
Other information	: Do not use a heavy water stream. Prevent fire fighting water from entering the environment.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Flammable liquid. Keep only in the original container in a cool, well ventilated place away from : Sources of ignition. Do not discharge into drains or the environment. If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.
------------------	---

##### 6.1.1. For non-emergency personnel

Protective equipment	: Do not enter fire area without proper protective equipment, including respiratory protection.
Emergency procedures	: Material spilled on hard surface can present a serious slipping/falling hazard. Stop the leak. Take up liquid spill into a non combustible material e.g.: dry sand/earth/vermiculite kieselguhr, powdered limestone. Dispose in a safe manner in accordance with local/national regulations.

##### 6.1.2. For emergency responders

Emergency procedures	: Spill releases flammable vapours. In case of important spillage : Collect all waste in suitable and labelled containers and dispose according to local legislation. Ventilate area.
----------------------	---

#### 6.2. Environmental precautions

Do not discharge into drains or the environment. Notify authorities if product enters sewers or public waters. Prevent fire fighting water from entering the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Contain or absorb spilled liquid with non-combustible material.
Other information	: Prolonged storage/in large quantities: reacts exothermally: risk of spontaneous ignition. Dispose of contaminated materials in accordance with current regulations. Refer to all applicable national, international and local regulations or provisions.

#### 6.4. Reference to other sections

For disposal of contaminated materials refer to section 13 : "Disposal considerations".

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

Revision date: 18/06/2018

Date of issue: 15/11/2013 Version: 3.1

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools. During fumigation/spraying wear suitable respiratory equipment (appropriate wording to be specified by the manufacturer).
- Precautions for safe handling : In use, may form flammable/explosive vapour-air mixture. PREVENT GENERATION OF MISTS!. Take precautionary measures against static discharges. The product may charge electrostatically: use earthing leads when transferring from one container to another. Handle in accordance with good industrial hygiene and safety procedures.
- Handling temperature : > 5 °C
- Hygiene measures : Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. Avoid contact with the skin and the eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. When using do not eat, drink or smoke. Do not breathe gas, fumes, vapour or spray. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Provide local exhaust or general room ventilation to minimize vapour concentrations. Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Store in tightly closed, properly ventilated containers away from heat, sparks, open flame. Containers which are opened should be properly resealed and kept upright to prevent leakage.
- Incompatible materials : Store separately from oxidising agents and strongly alkaline and strongly acidic materials.
- Storage temperature : 5 - 20 °C
- Storage area : The floor of the depot should be impermeable and designed to form a water-tight basin.
- Special rules on packaging : Handle empty containers with care because residual vapours are flammable. Do not use compressed air to transfer, discharge or transport the product.
- Packaging materials : Do not store in corrodable metal. When totally empty, containers are recyclable like any other packing.

### 7.3. Specific end use(s)

Ground/bond container and receiving equipment. Use only explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics		
EU	Local name	White spirit Type 1
EU	IOELV TWA (mg/m <sup>3</sup> )	116 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	290 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	skin. (Year of adoption 2007)
EU	Regulatory reference	SCOEL Recommendations
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9, 1174522-20-3)		
EU	Local name	White spirit Type 3
EU	IOELV TWA (mg/m <sup>3</sup> )	116 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	290 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	skin. (Year of adoption 2007)
EU	Regulatory reference	SCOEL Recommendations
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	44 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	330 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	26 mg/kg bodyweight/day

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

Revision date: 18/06/2018

Date of issue: 15/11/2013 Version: 3.1

<b>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics</b>	
Long-term - systemic effects, inhalation	71 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	26 mg/kg bodyweight/day
<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (64742-48-9, 1174522-20-3)</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	208 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	871 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	125 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	185 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	125 mg/kg bodyweight/day
<b>2-butanone oxime (96-29-7)</b>	
DNEL/DMEL (Workers)	
Long-term - local effects, dermal	1.3 mg/kg
Long-term - local effects, inhalation	3.3 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, inhalation	2 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	0.78 mg/kg bodyweight/day
Long-term - local effects, dermal	0.78 mg/cm <sup>2</sup>
Long-term - local effects, inhalation	2 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	0.256 mg/l
PNEC (STP)	
PNEC sewage treatment plant	> 17.7 mg/l

## 8.2. Exposure controls

### Appropriate engineering controls:

Provide local exhaust or general room ventilation to minimize vapour concentrations. During fumigation wear suitable respiratory equipment. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Eyewash bottle with clean water.

### Hand protection:

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. VITON gloves. Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

### Eye protection:

Chemical goggles or safety glasses (Standard EN 166 - Personal eye-protection). Face shield

### Skin and body protection:

Antistatic clothing. antistatic boots. Wear suitable coveralls to prevent exposure to the skin. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse

### Respiratory protection:

Full-/Half-/quarter-face masks (DIN EN 136/140). Combined gas/dust mask with filter type A/P2. High gas/vapour concentration: gas mask with filter type A

### Environmental exposure controls:

Avoid release to the environment.

### Consumer exposure controls:

Avoid contact during pregnancy/while nursing. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. People with over sensibility problems are not allowed to work or be exposed to the product. Always wash hands after handling the product.

### Other information:

When using, do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Molecular mass	: No data available
Colour	: White. Color Collection by manufacturer
Odour	: Characteristic
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: 0.13 Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 135 - 220 °C Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics
Flash point	: 30 °C Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics
Critical temperature	: No data available
Auto-ignition temperature	: > 200 °C Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Critical pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Relative density of saturated gas/air mixture	: No data available
Density	: 1.11 kg/l
Relative gas density	: No data available
Solubility	: Ethanol: No data available Ether: No data available Acetone: No data available Organic solvent: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: > 20.5 mm <sup>2</sup> /s (40 °C)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 0.6 - 7 vol % Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics

### 9.2. Other information

Minimum ignition energy	: No data available
Specific conductivity	: No data available
SADT	: No data available
Softening point	: No data available
Sublimation point	: No data available
Saturation concentration	: No data available
Miscibility	: No data available
VOC content	: < 400 g/l
Fat solubility	: No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

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

Revision date: 18/06/2018

Date of issue: 15/11/2013 Version: 3.1

## 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

## 10.3. Possibility of hazardous reactions

No additional information available

## 10.4. Conditions to avoid

Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.

## 10.5. Incompatible materials

No additional information available

## 10.6. Hazardous decomposition products

Fire will produce dense black smoke. Hazardous decomposition products. Carbon monoxide. Carbon dioxide. Nitrogen oxides.

## SECTION 11: Toxicological information

Acute toxicity : Not classified

### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics

LD50 oral rat	≥ 5000 ml/kg
LD50 dermal rabbit	≤ 4 ml/kg
LC50 inhalation rat (mg/l)	≤ 13.1 mg/l/4h

### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9, 1174522-20-3)

LD50 oral rat	≥ 5000 mg/kg
LD50 dermal rabbit	≥ 5000 mg/kg
LC50 inhalation rat (mg/l)	> 4951 mg/l/4h

### 2-butanone oxime (96-29-7)

LD50 oral rat	2326 - 3700 mg/kg
LD50 dermal rabbit	1000 mg/kg
LC50 inhalation rat (mg/l)	13200 mg/l/4h

Skin corrosion/irritation : Not classified  
pH: No data available

Additional information : Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product  
Repeated dermal contact with material can lead to defatting of the skin  
Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation : Not classified  
pH: No data available

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

Additional information : People with over sensibility problems are not allowed to work or be exposed to the product  
Wear respiratory protection.

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

Additional information : Causes damage to organs (central nervous system) through prolonged or repeated exposure

Aspiration hazard : Not classified

### Finish

Viscosity, kinematic	> 20.5 mm <sup>2</sup> /s (40 °C)
----------------------	-----------------------------------

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics

LC50 fish 1	10 - 30 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	10 - 22 mg/l Daphnia magna
NOEC (chronic)	0.097 mg/l Daphnia magna

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9, 1174522-20-3)

LC50 fish 1	> 100 mg/l
NOEC chronic fish	<= 1 mg/l
NOEC chronic crustacea	<= 1 mg/l

#### 2-butanone oxime (96-29-7)

LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	≥ 201 mg/l Daphnia Magna

### 12.2. Persistence and degradability

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9, 1174522-20-3)

Biodegradation	80 %
----------------	------

### 12.3. Bioaccumulative potential

#### Finish

Log Pow	No data available
Log Kow	No data available

#### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics

Log Pow	3.7 - 6.7
---------	-----------

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9, 1174522-20-3)

Log Pow	4 - 6.7
---------	---------

#### 2-butanone oxime (96-29-7)

Log Pow	0.63
---------	------

### 12.4. Mobility in soil

#### Finish

Surface tension	No data available
-----------------	-------------------

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal. The European Waste Catalogue (EWC) was replaced by a combined European List of Wastes (LoW) via the Commission Decision of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste (OJ L 226, 6.9.2000, p. 3). Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Metallic packaging. Allow volatiles to evaporate. Dispose of solid residue according to applicable regulations. When totally empty, containers are recyclable like any other packing. Composite packagings / Plastics receptacle / with outer aluminium crate or box. When not empty dispose of this container at hazardous or special waste collection point.
Additional information	: Flammable vapours may accumulate in the container. Handle empty containers with care because residual vapours are flammable.
European List of Waste (LoW) code	: 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances 15 02 02* - absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances 15 01 04 - metallic packaging



# Finish

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

Revision date: 18/06/2018

Date of issue: 15/11/2013 Version: 3.1

# VORHORST

**H** HORTICULTURAL  
COATINGS AND  
APPLICATIONS

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR) : 1263

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : PAINT

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

### 14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3

Hazard labels (ADR) : 3



### 14.4. Packing group

Packing group (ADR) : III

### 14.5. Environmental hazards

Dangerous for the environment : No

Other information : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

Transport regulations (ADR) : Transport in accordance with section 2.2.3.1.5 of the ADR (viscous substance) may be applied

Classification code (ADR) : F1

Special provisions (ADR) : 163, 367, 650

Limited quantities (ADR) : 5l

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T2

Portable tank and bulk container special provisions (ADR) : TP1, TP29

Tank code (ADR) : LGBF

Vehicle for tank carriage : FL

Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Operation (ADR) : S2

Hazard identification number (Kemler No.) : 30

Orange plates :



Tunnel restriction code (ADR) : D/E

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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

Revision date: 18/06/2018

Date of issue: 15/11/2013 Version: 3.1

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Finish - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics - 2-butanone oxime - Fatty acids, C6-19-branched, cobalt(2+) salts
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Finish - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Finish - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics - 2-butanone oxime - Fatty acids, C6-19-branched, cobalt(2+) salts
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Finish - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics - Fatty acids, C6-19-branched, cobalt(2+) salts
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics

Contains no substance on the REACH candidate list. Contains no REACH Annex XIV substances

VOC content : < 400 g/l

Other information, restriction and prohibition regulations : 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). DIRECTIVE 2004/42/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products. COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). 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. Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals. VOC Directive 2004/42/EC - Decorative paints and varnishes.

#### 15.1.2. National regulations

Other regulations

#### 15.2. Chemical safety assessment - not done

For hazardous mixtures, formulators should communicate the relevant information from the exposure scenarios of the ingredient substances with the safety data sheet for the mixture. The safe use information from the exposure scenarios of the ingredient substances were consolidated in the main body of the safety data sheet for the mixture.

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics  
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics  
2-butanone oxime

## SECTION 16: Other information

Indication of changes:

SDS changed items:

1	Identification of the substance/mixture and of the company/undertaking	Modified
8	Exposure controls / Personal protection equipment	Modified
9	Physical and chemical properties	Modified
11	Toxicological information	Modified
12	Ecological information	Modified
15	Regulatory information	Modified

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

Revision date: 18/06/2018

Date of issue: 15/11/2013 Version: 3.1

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative

Data sources : COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). 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. Safety, health and environmental regulations/legislation specific for the substance or mixture. This information is based on current available data (Producers of raw materials, Chemical cards, ...). See also on the internet at: <http://echa.europa.eu/>. EUR-Lex Access to European Union law: <http://eur-lex.europa.eu/>.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp.Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains 2-butanone oxime(96-29-7), Fatty acids, C6-19-branched, cobalt(2+) salts(68409-81-4). May produce an allergic reaction.

**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