

Printing date 06.02.2025 Version: 26 (replaces version 25) Revision: 06.02.2025

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

· 1.1 Product identifier

Trade name: 2 V 8 VERHARDER

· Article number: 2V8

· UFI: 4QXA-R15D-900W-7UQW

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

· Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU19 Building and construction work

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Product category PC9a Coatings and paints, thinners, paint removers

Process category

PROC7 Industrial spraying

PROC10 Roller application or brushing

PROC19 Manual activities involving hand contact PROC13 Treatment of articles by dipping and pouring

· Application of the substance / the mixture solvent based, two component epoxy coating hardener

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

· Manufacturer/Supplier:

Zandleven Coatings B.V.

Snekertrekweg 57-59, 8912 AA Leeuwarden, Netherlands

Tel: +31 58 2129545 Fax: +31 58 2155996

E-mail: info@zandleven.com Internet: www.zandleven.com

· Further information obtainable from: R&D department: sds@zandleven.com

#### · 1.4 Emergency telephone number:

Nationaal Vergiftigingen Informatie

+31 (0)88 755 8000

ORFILA (INRS): + 33 (0)1 45 42 59 59 Centres Antipoison et de Toxicovigilance

ANGERS: 02 41 48 21 21 BORDEAUX: 05 56 96 40 80 LILLE: 0800 59 59 59 LYON: 04 72 11 69 11 MARSEILLE: 04 91 75 25 25 NANCY: 03 83 22 50 50 PARIS: 01 40 05 48 48

STRASBOURG: 03 88 37 37 37 TOULOUSE: 05 61 77 74 47

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+31 (0)58 2677590 (during office hours)

#### **SECTION 2: Hazards identification**

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage. STOT SE 3 H335 May cause respiratory irritation.

(Contd. on page 2)



Printing date 06.02.2025 Version: 26 (replaces version 25) Revision: 06.02.2025

Trade name: 2 V 8 VERHARDER

(Contd. of page 1)

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms







GHS07 GHS02 GHS05

- Signal word Danger
- · Hazard-determining components of labelling:

butan-1-ol xylene

#### **Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

#### **Precautionary statements**

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water

[or shower].

P305+P351+P338 ÎF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable. · vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.
- Dangerous components:

Percentages of the components are expressed as a percentage by weight

	CAS: 1330-20-7	xylene	25-50%
	EINECS: 215-535-7	Flam. Liq. 3, H226; Sap. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3,	
	Index number: 601-022-00-9		
	Reg.nr.: 01-2119488216-32	H335	
	CAS: 71-36-3	butan-1-ol	10-25%
	EINECS: 200-751-6	♦ Flam. Liq. 3, H226; ♦ Eye Dam. 1, H318; ♦ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	
	Index number: 603-004-00-6	Skin Irrit. 2, H315; STOT SE 3, H335-H336	
	Reg.nr.: 02-2119484630-38		
	CAS: 100-41-4	ethylbenzene	2.5-10%
	EINECS: 202-849-4	♦ Flam. Liq. 2, H225; ♦ STOT RE 2, H373; Asp. Tox. 1, H304;	
	Index number: 601-023-00-4		
	Reg.nr.: 01-2119489370-35		
_		(Cont	d. on page 3)



Printing date 06.02.2025 Version: 26 (replaces version 25) Revision: 06.02.2025

Trade name: 2 V 8 VERHARDER

CAS: 90-72-2 EINECS: 202-013-9 Index number: 603-069-00-0 Reg.nr.: 01-2119560597-27	2,4,6-tris(dimethylaminomethyl)phenol  Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	atd. of page 2)
	toluene  ♦ Flam. Liq. 2, H225; ♦ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ♦ Skin Irrit. 2, H315; STOT SE 3, H336	<1%

Additional information: For the wording of the listed hazard phrases refer to section 16.

#### **SECTION 4: First aid measures**

- 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

# **SECTION 5: Firefighting measures**

- 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

#### SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

(Contd. on page 4)



Revision: 06.02.2025 Printing date 06.02.2025 Version: 26 (replaces version 25)

Trade name: 2 V 8 VERHARDER

(Contd. of page 3)

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Store material in original, well-closed packages in a cool, well-ventilated area according to local regulations.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep container tightly sealed.
- · Recommended storage temperature: 5 30 °C
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Ex	posure controls/	personal	protection
OLUIION U. LA	posuic collinois	personui	protection

۶ .	3.1	Contro	parameters
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1330-20-7 xylene				
IOELV Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin				
100-41-4	ethylbenzene			
Lo	nort-term value: 884 mg/m³, 200 ppm ong-term value: 442 mg/m³, 100 ppm kin			
108-88-3 1	toluene			
Lo	nort-term value: 384 mg/m³, 100 ppm ong-term value: 192 mg/m³, 50 ppm kin			
DNEL (De	rived No Effect Level) for workers:			
1330-20-7	_			
Dermal	Long-term - systemic effects, worker	212 mg/kg bw/day (worker)		
Inhalative	Acute - systemic effects, worker	442 mg/m³ (worker)		
	Acute - local effects, worker	442 mg/m³ (worker)		
	Long-term - systemic effects, worker	221 mg/m³ (worker)		
	Long-term - local effects, worker	221 mg/m³ (worker)		
71-36-3 b	utan-1-ol			
Inhalative	Long-term - local effects, worker	310 mg/m³ (worker)		
100-41-4	ethylbenzene			
Dermal	Long-term - systemic effects, worker			
Inhalative	Acute - local effects, worker	293 mg/m³ (worker)		
	Long-term - systemic effects, worker	77 mg/m³ (worker)		
90-72-2 2,	4,6-tris(dimethylaminomethyl)phen			
Dermal	Acute - systemic effects, worker	0.6 mg/kg bw/day (worker)		
	Long-term - systemic effects, worker	,		
Inhalative	Acute - systemic effects, worker	2.1 mg/m³ (worker)		
	Long-term - systemic effects, worker	0.53 mg/m³ (worker)		
108-88-3 1				
Dermal	Long-term - systemic effects, worker			
Inhalative	Acute - systemic effects, worker	384 mg/m³ (worker)		
	Acute - local effects, worker	384 mg/m³ (worker)		
	Long-term - systemic effects, worker	,		
	Long-term - local effects, worker	192 mg/m³ (worker)		
-	rived No Effect Level) for the gener	al polulation:		
4000 00 7	1330-20-7 xylene			



Printing date 06.02.2025 Version: 26 (replaces version 25) Revision: 06.02.2025

Trade name: 2 V 8 VERHARDER

Dermal	Long-term - systemic effects, general po	nulation	(Contd. of p
Inhalative Acute - systemic effects, general population			260 mg/m³ (general population)
IIIIIaiaiive	Acute - systemic effects, general population	lion	260 mg/m³ (general population)
	I	, ,	
	Long-term - systemic effects, general po		
74.00.0 h.	Long-term - local effects, general popula	alion	65.3 mg/m³ (general population)
<b>71-36-3 b</b>		nulation	2 105 malka bulday (ganaral nanulation)
_	1	-	3.125 mg/kg bw/day (general population)
	Long-term - local effects, general popula	ation	55 mg/m³ (general population)
Oral	ethylbenzene	nulation	1.6 mg/kg bw/doy/general penulation)
_	Long-term - systemic effects, general po	-	1
	Long-term - systemic effects, general po 4,6-tris(dimethylaminomethyl)phenol	pulation	15 mg/m (general population)
90-72-2 2, Oral		nulation	0.075 mg/kg bw/day (general population)
_			
Dermal	Acute - systemic effects, general polulat		0.075 mg/kg bw/day (general population)
Inhalativa	1	-	0.075 mg/kg bw/day (general population)
mnarative	Acute - systemic effects, general popula		0.13 mg/m³ (general population)
100 00 04	Long-term - systemic effects, general po	pulation	o. io mg/m² (general population)
108-88-3 t		nulatio:	0 12 mg/kg bw/doy/general population
Oral	1	-	8.13 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, general po	-	1
innaialive	Acute - systemic effects, general popula	lion	226 mg/m³ (general population)
	Acute - local effects, general population		226 mg/m³ (general population)
	Long-term - systemic effects, general po	-	1
DNEO (D	Long-term - local effects, general popula		56.5 mg/m³ (general population)
1330-20-7	edicted No Effect Concentration) value	es:	
	ompartment - freshwater	0 327 m	ig/L (freshwater)
-	ompartment - marine water		ig/L (marine water)
-	ompartment - marine water ompartment - water, intermittent releases		- ·
-	ompartment - sediment in freshwater		ig/kg sed dw (sediment fresh water)
-	ompartment - sediment in marine water	1	ig/kg sed dw (sediment hesh water)
•	compartment - soil		l/kg dw (soil)
	eatment plant	_	//L (sewage treatment plant)
71-36-3 bi	·	0.30 1119	/L (Sewage treatment plant)
	ompartment - freshwater	0.082 m	g/L (not specified)
-	ompartment - marine water		mg/L (not specified)
-	•	l .	//L (not specified)
-	ompartment - sediment in freshwater	_ ~	ng/kg sed dw (not specified)
-	ompartment - sediment in marine water		mg/kg sed dw (not specified)
-	compartment - soil		ng/kg dw (not specified)
	eatment plant		ig/L (not specified)
100-41-4 ethylbenzene			S'- (Hot oboomod)
	ompartment - freshwater	0.1 mg/	L (not specified)
-	ompartment - marine water	_	/L (not specified)
· · · · · · · · · · · · · · · · · · ·		_	L (not specified)
-	ompartment - water, intermittent releases	_	/kg sed dw (not specified)
-	ompartment - sediment in marine water	_	/kg sed dw (not specified)
-	compartment - soil	_	/kg dw (not specified)
	eatment plant	_	L (not specified)
_	ndary poisoning	_	/kg food (not specified)
- J.u. 30001	ida., policening	10.02 1119	(Contd. on p
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Printing date 06.02.2025 Version: 26 (replaces version 25) Revision: 06.02.2025

Trade name: 2 V 8 VERHARDER

	(Contd. of page 5)
90-72-2 2,4,6-tris(dimethylaminomethyl)phenol	
Aquatic compartment - freshwater	0.046 mg/L (freshwater)
Aquatic compartment - marine water	0.005 mg/L (marine water)
Aquatic compartment - water, intermittent releases	0.46 mg/L (intermittent release water)
Aquatic compartment - sediment in freshwater	0.262 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	0.025 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	0.025 mg/kg dw (soil)
Sewage treatment plant	0.2 mg/L (sewage treatment plant)
108-88-3 toluene	
Aquatic compartment - freshwater	0.68 mg/L (not specified)
Aquatic compartment - marine water	0.68 mg/L (not specified)
Aquatic compartment - water, intermittent releases	0.68 mg/L (not specified)
Aquatic compartment - sediment in freshwater	16.39 mg/kg sed dw (not specified)
Aquatic compartment - sediment in marine water	16.39 mg/kg sed dw (not specified)
Terrestrial compartment - soil	2.89 mg/kg dw (not specified)
Sewage treatment plant	13.61 mg/L (not specified)

· Additional information: The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne

contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

- Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

Provide readily accessible eye wash stations and safety showers.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

#### · Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If

workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed

respirator complying with an approved standard if a risk assessment indicates this is necessary.

For organic vapors and solvents type of filter A1 or A2, for dust type of filter P (according to EN 140)

#### Hand protection



Protective gloves

Chemical resistant gloves (EN 374)

Check protective gloves prior to each use for their proper condition.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

(Contd. on page 7)

Page 7/12

(Contd. of page 6)



### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.02.2025 Version: 26 (replaces version 25) Revision: 06.02.2025

Trade name: 2 V 8 VERHARDER

Penetration time of glove material

KCL Vitoject 890

breakthrough time > 480 min.

thickness: 0,7 mm

at limited contact KCL Camatril 730

breakthrough time 30 min.

thickness: 0,4 mm

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be

- Not suitable are gloves made of the following materials: All other materials
- Eye/face protection



Tightly sealed goggles

Safety glasses according to EN 166 or equivalent

**Body protection:** 

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved before the product is used by a specialist. If there is a risk of ignition by static electricity, anti-static protective clothing should be worn. For the best

protection against static discharge, clothing should consist of anti-static overalls, boots and gloves. For further information on materials and design requirements and test methods consult the European standard EN 1149.

**Environmental exposure controls** 

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- · General Information

· Physical state

· Colour:

· Odour:

· Odour threshold:

· Melting point/freezing point:

Boiling point or initial boiling point and boiling range

· Flammability

Lower and upper explosion limit

· Lower: · Upper: · Flash point:

· Auto-ignition temperature:

Decomposition temperature:

· pH

· Viscosity:

· Kinematic viscosity

· Dynamic at 20 °C:

Solubility

· water:

· Partition coefficient n-octanol/water (log value)

· Vapour pressure at 20 °C:

· Density and/or relative density Density at 20 °C:

Relative density

According to product specification

Characteristic Not determined. Undetermined.

116-118 °C (71-36-3 butan-1-ol)

Flammable.

1.1 Vol % (1330-20-7 xylene) 9.4 Vol % (71-36-3 butan-1-ol)

340 °C (71-36-3 butan-1-ol)

Not determined. Not determined.

at 40 °C: > 20,5 mm<sup>2</sup>/s

140 mPas

Not miscible or difficult to mix.

Not determined.

10 hPa (71-36-3 butan-1-ol)

0.91 g/cm<sup>3</sup>

Not determined.

(Contd. on page 8)



Printing date 06.02.2025 Version: 26 (replaces version 25) Revision: 06.02.2025

Trade name: 2 V 8 VERHARDER

	(Contd. of pag
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health	and
environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of
	explosive air/vapour mixtures are possible.
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard clas	sses
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammak	ole
gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

# SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

### **SECTION 11: Toxicological information**

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 v	· LD/LC50 values relevant for classification:		
1330-20-7	xylene		
Oral	LD50	3,523 mg/kg (rat)	
Dermal	LD50	2,000 mg/kg (rabbit)	
71-36-3 bi	utan-1-ol		
Oral	LD50	790 mg/kg (rat)	
Dermal	LD50	3,400 mg/kg (rabbit)	
Inhalative	LC50/4 h	8,000 mg/l (rat)	

(Contd. on page 9)



Printing date 06.02.2025 Version: 26 (replaces version 25) Revision: 06.02.2025

Trade name: 2 V 8 VERHARDER

		(Contd. of page 8	
100-41-4	100-41-4 ethylbenzene		
Oral	LD50	3,500 mg/kg (rat)	
Dermal	LD50	17,800 mg/kg (rabbit)	
90-72-2 2,	4,6-tris(di	methylaminomethyl)phenol	
Oral	LD50	2,169 mg/kg (rat)	
108-88-3 t	108-88-3 toluene		
Oral	LD50	5,000 mg/kg (rat)	
Dermal	LD50	12,124 mg/kg (rabbit)	
Inhalative	LC50/4 h	5,320 mg/l (mouse)	

- · Primary irritant effect:
- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye damage.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure May cause respiratory irritation.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.
- · 11.2 Information on other hazards
- Endocrine disrupting properties

  None of the ingredients is listed.

### SECTION 12: Ecological information

#### · 12.1 Toxicity

· Aquatic toxicity:				
1330-20-7 xylene				
EC50/72 h 2.2 mg/l (algae)				
EC50/48 h >3.4 mg/l (Cerioda	aphnia dubia)			
LC50/96 h 2.6 mg/l (Oncorhy	nchus mykiss)			
LC50/24 h 1 mg/l (Daphnia m	nagna)			
71-36-3 butan-1-ol				
EC50/48 h 1,328 mg/l (Daphr	nia magna)			
LC50/96 h 1,376 mg/l (pimep	hales promelas)			
100-41-4 ethylbenzene				
EC50/72 h 3.6-4.2 mg/l (algae	e)			
EC50/24 h 2.2 mg/l (Daphnia	magna)			
LC50/96 h 4.2 mg/l (Oncorhy	• ,			
90-72-2 2,4,6-tris(dimethylan	ninomethyl)phenol			
_ ,	onetes vulgaris (grass shrimp))			
EC50/72 h 84 mg/l (algae)				
LC50/96 h 175 mg/l (Cyprinu:	s carpio)			
LC50/24 h 249 mg/l (Cyprinus	s carpio)			
222 mg/l (Oncorhy	nchus mykiss)			
108-88-3 toluene				
EC50/72 h 12.5 mg/l (algae)				
EC50/48 h 3.8 mg/l (Daphnia	magna)			
EC50/24 h 84 mg/l (microorga	·			
LC50/96 h 5.5 mg/l (Oncorhy	nchus kisutch)			
LC50/48 h 15.5-310 mg/l (cru	istaceans)			
12.2 Persistence and degrad	dability No further relevant information available.			

(Contd. on page 10)





Printing date 06.02.2025 Version: 26 (replaces version 25) Revision: 06.02.2025

Trade name: 2 V 8 VERHARDER

(Contd. of page 9)

- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · 12.7 Other adverse effects
- · Additional ecological information:
- General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even small quantities leak into the ground.

### SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

	<u> </u>		
European	· European waste catalogue		
08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) (COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALA PRINTING INKS			
08 01 00	wastes from MFSU and removal of paint and varnish		
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances		
HP3	Flammable		
HP4	Irritant - skin irritation and eye damage		
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity		
HP6	Acute Toxicity		

Ш

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

# **SECTION 14: Transport information**

Transport in accordance with ADR/RID, IMDG and ICAO/IATA.

- · 14.1 UN number or ID number
- · ADR/RID/ADN, IMDG, IATA UN1263

· 14.2 UN proper shipping name

· ADR/RID/ADN 1263 PAINT
· IMDG, IATA PAINT

- · 14.3 Transport hazard class(es)
- · ADR/RID/ADN, IMDG, IATA



- · Class 3 Flammable liquids.
- · Label
- · 14.4 Packing group
- ADR/RID/ADN, IMDG, IATA

(Contd. on page 11)



Printing date 06.02.2025 Version: 26 (replaces version 25) Revision: 06.02.2025

Trade name: 2 V 8 VERHARDER

(Contd. of page 10) · 14.5 Environmental hazards: · Marine pollutant: · 14.6 Special precautions for user Warning: Flammable liquids. · Hazard identification number (Kemler code): · EMS Number: F-E,S-E · Stowage Category Α · 14.7 Maritime transport in bulk according to IMO instruments Not applicable. · Transport/Additional information: · ADR/RID/ADN · Limited quantities (LQ) · Excepted quantities (EQ) Code: F1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml Transport category · Tunnel restriction code D/E · IMDG · Limited quantities (LQ) 51 Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml UN 1263 PAINT, 3, III · UN "Model Regulation":

### **SECTION 15: Regulatory information**

- $\cdot$  15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- $\cdot$  Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P5c FLAMMABLE LIQUIDS
- $\cdot$  Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 48
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients is listed.

- · REGULATION (EU) 2019/1148
- · Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

108-88-3 toluene

3

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

108-88-3 toluene

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

- EU

3





Printing date 06.02.2025 Version: 26 (replaces version 25) Revision: 06.02.2025

Trade name: 2 V 8 VERHARDER

(Contd. of page 11)

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· Contact: J. Dijkstra

Date of previous version: 19.04.2023 · Version number of previous version: 25

#### Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International

Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity - Category 4

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

- ECHA European Chemical Agency http://echa.europa.eu/information-on-chemicals
- SDS of raw materials supplied by producer/supplier.
- \* Data compared to the previous version altered.