

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 10.06.2022

V- 4.0 (replaces version 3.0)

Revision: 07.06.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** 990 2:1 SR HS Clearcoat**1.2 Relevant identified uses of the substance or mixture and uses advised against***Identified use: professional use.***Application of the substance / the mixture***Clear coating material, Varnish***1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**ETALON is a brand of Alexport Company.
Pontou 26, P.C. 546 28, Thessaloniki, Greece,
Tel: +30 2310 501814, Fax: +30 2310 524 771
info@alexport.gr, www.alexport.gr
www.etalon-refinish.com**Further information obtainable from:** 122 or call your local doctor/poison center**1.4 Emergency telephone number:****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS02

Flam. Liq. 3 H226 *Flammable liquid and vapour.*

GHS08

STOT RE 2 H373 *May cause damage to organs through prolonged or repeated exposure.*

GHS07

Skin Irrit. 2 H315 *Causes skin irritation.*Eye Irrit. 2 H319 *Causes serious eye irritation.*Skin Sens. 1 H317 *May cause an allergic skin reaction.*STOT SE 3 H335-H336 *May cause respiratory irritation. May cause drowsiness or dizziness.*Aquatic Chronic 3 H412 *Harmful to aquatic life with long lasting effects.***2.2 Label elements****Labelling according to****Regulation (EC) No 1272/2008***The product is classified and labelled according to the GB CLP regulation.**(Contd. on page 2)*

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Hazard pictograms

GHS02 GHS07 GHS08

Signal word

Warning

Hazard-determining components of labelling:

xylene
 n-butyl acetate
 hydrocarbons, C9, aromatics
 Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Hazard statements

H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P260 Do not breathe mist/vapours/spray.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 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:**

CAS: 1330-20-7	xylene	10-25%
EINECS: 215-535-7	⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4,	
Reg.nr.: 01-2119488216-32	H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	
CAS: 123-86-4	n-butyl acetate	10-<20%
EINECS: 204-658-1	⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336, EUH066	
Reg.nr.: 01-2119485493-29		
List no.: 918-668-5	hydrocarbons, C9, aromatics	10-15%
Reg.nr.: 01-2119455851-35	⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336	

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CAS: 108-65-6	2-methoxy-1-methylethyl acetate	1-7.5%
EINECS: 203-603-9	⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	
Reg.nr.: 01-2119475791-29		
CAS: 100-41-4	ethylbenzene	2.5-10%
EINECS: 202-849-4	⚠ Flam. Liq. 2, H225; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4,	
Reg.nr.: 01-2119489370-35	H332; Aquatic Chronic 3, H412	
CAS: 112-07-2	2-butoxyethyl acetate	1-5%
EINECS: 203-933-3	⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	
Reg.nr.: 01-2119475112-47		
List no.: 915-687-0	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl	0.1-<0.5%
Reg.nr.: 01-2119491304-40	1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
	⚠ Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); ⚠ Skin Sens. 1A, H317	

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:	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Immediately remove any clothing soiled by the product. In case of irregular breathing or respiratory arrest provide artificial respiration. Take affected persons out of danger area and lay down.
After inhalation:	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
After skin contact:	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	Do not induce vomiting; call for medical help immediately.

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.
Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide

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5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
Avoid contact with the eyes and skin.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Do not flush with water or aqueous cleansing agents.
Dispose of the material collected according to regulations.

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.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
Do not allow to enter sewers/ surface or ground water.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
Fumes can combine with air to form an explosive mixture.

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

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.
Store away from oxidising agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.

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7.3 Specific end use(s) No further relevant information available.

* SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

1330-20-7 xylene

WEL (Great Britain) Short-term value: 441 mg/m³, 100 ppm
 Long-term value: 220 mg/m³, 50 ppm
 Sk; BMGV

IOELV (EU) Short-term value: 442 mg/m³, 100 ppm
 Long-term value: 221 mg/m³, 50 ppm
 Skin

123-86-4 n-butyl acetate

WEL (Great Britain) Short-term value: 966 mg/m³, 200 ppm
 Long-term value: 724 mg/m³, 150 ppm

IOELV (EU) Short-term value: 723 mg/m³, 150 ppm
 Long-term value: 241 mg/m³, 50 ppm

108-65-6 2-methoxy-1-methylethyl acetate

WEL (Great Britain) Short-term value: 548 mg/m³, 100 ppm
 Long-term value: 274 mg/m³, 50 ppm
 Sk

IOELV (EU) Short-term value: 550 mg/m³, 100 ppm
 Long-term value: 275 mg/m³, 50 ppm
 Skin

100-41-4 ethylbenzene

WEL (Great Britain) Short-term value: 552 mg/m³, 125 ppm
 Long-term value: 441 mg/m³, 100 ppm
 Sk

IOELV (EU) Short-term value: 884 mg/m³, 200 ppm
 Long-term value: 442 mg/m³, 100 ppm
 Skin

112-07-2 2-butoxyethyl acetate

WEL (Great Britain) Short-term value: 332 mg/m³, 50 ppm
 Long-term value: 133 mg/m³, 20 ppm
 Sk

IOELV (EU) Short-term value: 333 mg/m³, 50 ppm
 Long-term value: 133 mg/m³, 20 ppm
 Skin

Regulatory information

WEL (Great Britain): EH40/2020
 IOELV (EU): (EU) 2019/1831

DNELs

1330-20-7 xylene

Dermal DNEL 212 mg/kg bw/day (long-term - systemic effects, workers)

Inhalative DNEL 442 mg/m³ (acute - systemic effects, workers)

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442 mg/m³ (acute - local effects, workers)
221 mg/m³ (long-term - systemic effects, workers)
221 mg/m³ (long-term - local effects, workers)

123-86-4 n-butyl acetate

Dermal DNEL 7 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 960 mg/m³ (acute - systemic effects, workers)
960 mg/m³ (acute - local effects, workers)
480 mg/m³ (long-term - systemic effects, workers)
480 mg/m³ (long-term - local effects, workers)

hydrocarbons, C9, aromatics

Dermal DNEL 25 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 150 mg/m³ (long-term - systemic effects, workers)

108-65-6 2-methoxy-1-methylethyl acetate

Dermal DNEL 153.5 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 275 mg/m³ (long-term - systemic effects, workers)

100-41-4 ethylbenzene

Dermal DNEL 180 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 293 mg/m³ (acute - local effects, workers)
77 mg/m³ (long-term - systemic effects, workers)

112-07-2 2-butoxyethyl acetate

Dermal DNEL 102 mg/kg bw/day (acute - systemic effects, workers)
102 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 775 mg/m³ (acute - systemic effects, workers)
333 mg/m³ (acute - local effects, workers)
133 mg/m³ (long-term - local effects, workers)

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Dermal DNEL 2.5 mg/kg bw/day (acute - systemic effects, workers)
2.5 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 2.35 mg/m³ (acute - systemic effects, workers)
2.35 mg/m³ (long-term - systemic effects, workers)

PNECs**1330-20-7 xylene**

PNEC 0.327 mg/l (freshwater environment)
0.327 mg/l (marine environment)
PNEC 12.46 mg/kg (freshwater sediment environment)
12.46 mg/kg (marine sediment environment)

123-86-4 n-butyl acetate

PNEC 0.18 mg/l (freshwater environment)

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0.018 mg/l (marine environment)

0.36 mg/l (intermittent releases)

35.6 mg/l (sewage treatment plants)

PNEC 0.981 mg/kg (freshwater sediment environment)

108-65-6 2-methoxy-1-methylethyl acetate

PNEC 0.635 mg/l (freshwater environment)

0.0635 mg/l (marine environment)

6.35 mg/l (intermittent releases)

100 mg/l (sewage treatment plants)

PNEC 3.29 mg/kg (freshwater sediment environment)

0.329 mg/kg (marine sediment environment)

100-41-4 ethylbenzene

PNEC 0.1 mg/l (freshwater environment)

0.01 mg/l (marine environment)

0.1 mg/l (intermittent releases)

9.6 mg/l (sewage treatment plants)

PNEC 13.7 mg/kg (freshwater sediment environment)

1.37 mg/kg (marine sediment environment)

2.68 mg/kg (soil)

112-07-2 2-butoxyethyl acetate

PNEC 0.304 mg/l (freshwater environment)

0.0304 mg/l (marine environment)

0.56 mg/l (intermittent releases)

90 mg/l (sewage treatment plants)

PNEC 2.03 mg/kg (freshwater sediment environment)

0.203 mg/kg (marine sediment environment)

0.68 mg/kg (soil)

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

PNEC 0.0022 mg/l (freshwater environment)

0.00022 mg/l (marine environment)

0.009 mg/l (intermittent releases)

PNEC 1.05 mg/kg (freshwater sediment environment)

0.11 mg/kg (marine sediment environment)

0.21 mg/kg (soil)

Ingredients with biological limit values:**1330-20-7 xylene**

BMGV (Great Britain) 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

Regulatory information

BMGV (Great Britain): EH40/2011

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Additional information:	The lists valid during the making were used as basis.
8.2 Exposure controls	
Appropriate engineering controls	No further data; see item 7.
Individual protection measures, such as personal protective equipment	
General protective and hygienic measures:	<p>Ensure good ventilation/exhaustion at the workplace. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Keep ignition sources away - Do not smoke. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Store protective clothing separately. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. Do not eat or drink while working.</p>
Respiratory protection:	<p>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. A2/P2 filter</p>
Hand protection	<p>Protective gloves Check the permeability prior to each renewed use of the glove. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. When choosing protective gloves, the breakthrough time, rate of penetration and degradation (EN 374) should be taken into account.</p>
Material of gloves	<p>Butyl rubber, BR Nitrile rubber, NBR PVA gloves Recommended material thickness: ≥ 0.7 mm 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.</p>
Penetration time of glove material	<p>Permeation level and breakthrough time: level 6 ≥ 480 min. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</p>
Eye/face protection	Tightly sealed goggles
Body protection:	Protective work clothing

* SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	124 °C
Flammability	Flammable.
Lower and upper explosion limit	
Lower:	0.7 Vol %

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Upper:	15 Vol %
Flash point:	40 °C
Decomposition temperature:	Not determined.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	>20.5 mm ² /s
Dynamic at 20 °C:	107 mPas
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	10.7 hPa
Density and/or relative density	
Density:	0.96-0.97 g/cm ³
Vapour density	Not determined.

9.2 Other information**Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety.****Auto-ignition temperature:**

Not determined.

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 classes

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 flammable 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 decomposition if used according to specifications.

10.2 Chemical stability

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Reacts with alkali, amines and strong acids.

Reacts with oxidising agents.

Fumes can combine with air to form an explosive mixture.

10.4 Conditions to avoid

Protect from heat and direct sunlight.

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10.5 Incompatible materials: No further relevant information available.**10.6 Hazardous decomposition****products:**

Carbon monoxide and carbon dioxide

Formation of toxic gases is possible during heating or in case of fire.

* 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 values relevant for classification:****1330-20-7 xylene**

Dermal LD50 1,100 mg/kg (ATE)

Inhalative ATE 1.5 mg/l (dust/ mist)

123-86-4 n-butyl acetate

Oral LD50 10,760 mg/kg (rat)

Dermal LD50 >14,000 mg/kg (rabbit)

Inhalative LC50/4 h 23.4 mg/l (rat)

hydrocarbons, C9, aromatics

Oral LD50 3,592 mg/kg (rat)

Dermal LD50 >3,160 mg/kg

Inhalative LC50/4 h >6,193 mg/l (rat)

108-65-6 2-methoxy-1-methylethyl acetate

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

Inhalative LC50/6 h 4,345 mg/l (rat)

100-41-4 ethylbenzene

Oral LD50 3,500 mg/kg (rat)

Dermal LD50 17,800 mg/kg (rabbit)

Inhalative ATE 1.5 ATE

112-07-2 2-butoxyethyl acetate

Oral LD50 1,880 mg/kg (rat)

Dermal LD50 1,500 mg/kg (rabbit)

Inhalative ATE 1.5 mg/l (ATE)

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Oral LD50 3,230 mg/kg (rat)

Dermal LD50 >3,170 mg/kg (rat)

Primary irritant effect:**Skin corrosion/irritation** Causes skin irritation.**Serious eye damage/irritation** Causes serious eye irritation.**Respiratory or skin sensitisation** May cause an allergic skin reaction.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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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. May cause drowsiness or dizziness.
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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**

LC50/96 h	2.6 mg/l (Oncorhynchus mykiss) (OECD 203)
EC50/3 h	>157 mg/l (microorganisms)
EC50/48 h	>3.4 mg/l (Ceriodaphnia dubia) (OECD 202)
EC50/73h	2.2 mg/l (Pseudokirchnerella subcapitata) (OECD 201)

123-86-4 n-butyl acetate

LC50/96 h	18 mg/l (Pimephales promelas)
TT/16 h	115 mg/l (Pseudomonas putida)
EC50/48 h	44 mg/l (daphnia)
EC50/72 h	675 mg/l (algae)

hydrocarbons, C9, aromatics

ErC50/96 h	9.2 mg/l (fish)
EL50/48 h	3.2 mg/l (Daphnia magna)
ErL50/72 h	2.9 mg/l (Pseudokirchnerella subcapitata)
EC50/48 h	6.14 mg/l (Daphnia magna)
EC50/10 min	>99 mg/l (microorganisms)

108-65-6 2-methoxy-1-methylethyl acetate

LC50/96 h	>100 mg/l (fish)
EC50/48 h	>500 mg/l (Daphnia magna)
EC20/30 min	>1,000 mg/l (microorganisms)
EC50/72 h	>1,000 mg/l (Pseudokirchnerella subcapitata)
EC50	>100 mg/l (Pseudokirchnerella subcapitata)
	>100 mg/l (Pimephales promelas)
	>100 mg/l (Daphnia magna)

100-41-4 ethylbenzene

EC50/48 h	2.4 mg/l (Daphnia magna)
EC20/30 min	200 mg/l (microorganisms)
EC50/24 h	13.4 mg/l (algae)

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7 mg/l (fish)

112-07-2 2-butoxyethyl acetateEC50/72 h >100 mg/l (*Scenedesmus subspicatus*)EC50/24 h >100 mg/l (*Daphnia magna*)LC50/48 h 10-100 mg/l (*Leuciscus idus melanotus*)**Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate**

LC50/96 h 0.97 mg/l (fish)

EC50/3 h >100 mg/l (microorganisms)

EC50/72 h 1.68 mg/l (*Desmodesmus subspicatus*)EC50/24 h 20 mg/l (*Daphnia magna*)**12.2 Persistence and degradability**

1330-20-7 xylene

Biodegradation >60 % (readily biodegradable)

123-86-4 n-butyl acetate

Biodegradation 83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)

hydrocarbons, C9, aromatics

Biodegradation 78 % (readily biodegradable) (OECD 301 F, 28 d, aerobic)

108-65-6 2-methoxy-1-methylethyl acetate

Biodegradation 100 % (readily biodegradable) (OECD 302 B, 8 d, aerobic)

100-41-4 ethylbenzene

Biodegradation 100 % (readily biodegradable) (OECD 301 E, 6 d, aerobic)

112-07-2 2-butoxyethyl acetate

Biodegradation >70 % (readily biodegradable) (OECD 301C, 28d)

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Biodegradation 38 % (not readily biodegradable) (OECD 301 F, 28 d, aerobic)

12.3 Bioaccumulative potential

1330-20-7 xylene

BCF 25.9

log Kow <3.2

123-86-4 n-butyl acetate

BCF 15.3 (-)

log Pow 2.3

108-65-6 2-methoxy-1-methylethyl acetate

log Pow 0.56

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100-41-4 ethylbenzene

BCF 1

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

BCF <9.7

12.4 Mobility in soil**123-86-4 n-butyl acetate**

log Koc 1.27

108-65-6 2-methoxy-1-methylethyl acetate

Koc 1.7

100-41-4 ethylbenzene

log Koc 2.41

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

log Koc 5.31

Koc 204,400

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: Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground.
 Harmful to aquatic organisms

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.

European waste catalogue

08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

*** SECTION 14: Transport information****14.1 UN number or ID number**

ADR, IMDG, IATA UN1263

14.2 UN proper shipping name

ADR 1263 PAINT

IMDG, IATA PAINT

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14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class	3
Label	3
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards:	Not applicable.
Marine pollutant (IMDG):	No
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	30
EMS Number:	F-E, S-E
Stowage Category	A
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

Transport/Additional information:**ADR**

Limited quantities (LQ)	5L
Transport category	3
Tunnel restriction code	D/E

IMDG

Limited quantities (LQ)	5L
UN "Model Regulation":	UN 1263 PAINT, 3, III

*** SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Directive 2012/18/EU

Named dangerous substances - ANNEX I

None of the ingredients is listed.

Seveso category

P5c FLAMMABLE LIQUIDS

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

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— EN —

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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

None of the ingredients is listed.

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

None of the ingredients is listed.

National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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.

Relevant phrases	H225	Highly flammable liquid and vapour.
	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.
	H319	Causes serious eye irritation.
	H332	Harmful if inhaled.
	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
	H373	May cause damage to organs through prolonged or repeated exposure.
	H400	Very toxic to aquatic life.
	H410	Very toxic to aquatic life with long lasting effects.
	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.

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Classification according to Regulation (EC) No 1272/2008**Flammable liquids****Bridging principles**

Skin corrosion/irritation

Serious eye damage/eye irritation

Skin sensitisation

Specific target organ toxicity (single exposure)

Specific target organ toxicity (repeated exposure)

Hazardous to the aquatic environment - long-term (chronic)

aquatic hazard

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

Version number of previous**version:**

3.0

Abbreviations and acronyms:

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 number assigned to the chemical in the Chemical Abstracts Service list

DNEL: Derived No-Effect Level

PNEC: Predicted No-Effect Concentration

LC50: median lethal concentration

LD50: lethal dose 50%

PBT: persistent, bioaccumulative and toxic

vPvB: very persistent and very bioaccumulative

Flam. Liq. 2: Flammable liquid substance. Hazard category 2

Flam. Liq. 3: Flammable liquid substance. Hazard category 3

Acute Tox. 4: Acute toxicity. Hazard category 4

Skin Irrit. 2: Skin corrosion/irritation. Hazard category 2

Eye Irrit. 2: Serious eye damage/eye irritation. Hazard category 2

Skin Sens. 1: Skin sensitisation. Hazard category 1

Skin Sens. 1A: Skin sensitisation. Hazard category 1A

STOT SE 3: Toxic effects on target organs - single exposure. Hazard category 3

STOT RE 2: Toxic effects on target organs - repeated exposure. Hazard category 2

Asp. Tox. 1: Aspiration hazard. Hazard category 1

Aquatic Acute 1: Presenting a hazard to the aquatic environment - acute hazard, Category 1

Aquatic Chronic 1: Presenting a hazard to the aquatic environment. Chronic hazard, Category 1

Aquatic Chronic 2: Presenting a hazard to the aquatic environment. Chronic hazard, Category 2

Aquatic Chronic 3: Presenting a hazard to the aquatic environment. Chronic hazard, Category 3

Sources

European Chemicals Agency, <http://echa.europa.eu/>

*** Data compared to the previous version altered.**