according to Regulation (EC) No. 1907/2006



KRONOX 3100

Version 1.0 MSDS Number: H53177 Revision Date: 13.03.2015

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

1.1 Product identifier

Trade name : KRONOX 3100

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

Use of the Sub-

stance/Mixture

: Clear coating

Recommended restrictions

on use

: For use in industrial installations or professional treatment

only.

1.3 Details of the supplier of the safety data sheet

Company : Roberlo s.a.

Ctra. Nacional II, Km. 706,5 17457 Riudellots de la Selva

Spain

Telephone : +34972478060

Telefax : +34972477394

E-mail address of person responsible for the SDS

: msds@roberlo.com

1.4 Emergency telephone number

+34 972 478060 (8:00-12:45 / 14:15-17:30 h) ROBERLO (Spain) (GMT + 1:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Specific target organ toxicity - repeated exposure, Category 2, Respiratory sys-

tem

H373: May cause damage to organs through pro-

longed or repeated exposure if inhaled.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Specific target organ toxicity - single ex-

posure, Category 3

H336: May cause drowsiness or dizziness.

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting ef-

fects.

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Classification (67/548/EEC, 1999/45/EC)

Flammable R10: Flammable.

Harmful R48/20: Harmful: danger of serious damage to

health by prolonged exposure through inhalation.

R66: Repeated exposure may cause skin dryness

or cracking.

R67: Vapours may cause drowsiness and dizzi-

ness.

R52/53: Harmful to aquatic organisms, may cause Dangerous for the environment

long-term adverse effects in the aquatic environ-

ment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms







Signal word Warning

Hazard statements H226 Flammable liquid and vapour.

> H373 May cause damage to organs (Respiratory

> > system) through prolonged or repeated ex-

posure if inhaled.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness. H412

Harmful to aquatic life with long lasting ef-

fects.

Supplemental Hazard

Statements

EUH066

Repeated exposure may cause skin dry-

ness or cracking.

Prevention: Precautionary statements

> Keep away from heat, hot surfaces, sparks, P210

> > open flames and other ignition sources. No

smokina.

P260 Do not breathe vapours. P260 Do not breathe spray.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immedi-

ately all contaminated clothing. Rinse skin

with water/shower.

P362 + P364 Take off contaminated clothing and wash it

before reuse.

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P370 + P378 In case of fire: Use dry sand, dry chemical

or alcohol-resistant foam to extinguish.

Storage:

P403 Store in a well-ventilated place.

Disposal:

P501 Dispose of contents/ container to an ap-

proved waste disposal plant.

Hazardous components which must be listed on the label:

heptan-2-one

n-butyl acetate

acetone

Additional Labelling:

EUH208 May produce an allergic reaction.

Contains: Bis(hydroxiphenylbenzotriazole) derivative and Hydroxiphenylbenzotriazole derivative and Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 12266-pentamethyl-4-piperydynyl sebacate

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Paint

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
heptan-2-one	110-43-0 203-767-1	R10 Xn; R20/22	Flam. Liq.3; H226 Acute Tox.4; H302 Acute Tox.4; H332	>= 10 - < 20
n-butyl acetate	123-86-4 204-658-1 01- 2119485493-29	R10 R66 R67	Flam. Liq.3; H226 STOT SE3; H336	>= 15 - < 20
butylglycol acetate	112-07-2 203-933-3 01-	Xn; R20/21	Acute Tox.4; H332 Acute Tox.4; H312	>= 1 - < 10

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	2119475112-47			
acetone	67-64-1 200-662-2 01- 2119471330-49	F; R11 Xi; R36 R66 R67	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	>=1-<3
Bis(hydroxiphenylbenzo triazole) derivative	104810-48-2 400-830-7	Xi; R43 N; R51/53	Skin Sens.1; H317 Aquatic Chronic2; H411	>= 0.25 - < 1
Hydroxiphenylbenzotria zole derivative	104810-47-1	Xi; R43 N; R51/53	Skin Sens.1; H317 Aquatic Chronic2; H411	>= 0.25 - < 1
Bis(1,2,2,6,6- pentamethyl-4- piperidyl) sebacate	41556-26-7 255-437-1 01- 2119491304-40	Xi; R43 N; R50/53	Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0.25 - < 1
Solvent naphtha (petro- leum), light arom.	64742-95-6 265-199-0 01- 2119455851-35	Xn; R65 Xi; R37 N; R51/53 R10 R66 R67	Flam. Liq.3; H226 Asp. Tox.1; H304 STOT SE3; H335, H336 Aquatic Chronic2; H411	>= 0.25 - < 1
Methyl 12266- pentamethyl-4- piperydynyl sebacate	82919-37-7 280-060-4	Xi; R43 N; R50/53	Skin Sens.1; H317 Aquatic Chronic1; H400 Aquatic Chronic1; H410	>= 0.1 - < 0.25
Substances with a workplace exposure limit :				
2-methoxy-1- methylethyl acetate	108-65-6 203-603-9 01- 2119475791-29	R10	Flam. Liq.3; H226	>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.

Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water.

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In case of eye contact : Flush eyes with water as a precaution.

> Remove contact lenses. Protect unharmed eye.

Keep eve wide open while rinsing.

If eye irritation persists, consult a specialist.

: Clean mouth with water and drink afterwards plenty of water. If swallowed

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Inhalation may provoke the following symptoms:

> Headache Vertigo Fatique Weakness

Skin contact may provoke the following symptoms:

Redness Pain

Ingestion may provoke the following symptoms:

Abdominal pain

Nausea Vomiting Diarrhoea

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam

Dry chemical

Unsuitable extinguishing

media

: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-

fighting

: Do not use a solid water stream as it may scatter and spread

fire.

ucts

Hazardous combustion prod- : No hazardous combustion products are known

according to Regulation (EC) No. 1907/2006



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5.3 Advice for firefighters

for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

For safety reasons in case of fire, cans should be stored sepa-

rately in closed containments.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Remove all sources of ignition.

Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains inform

respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For contact information in case of emergency, see section 1. For information on safe handling, see section 7. For exposure controls and personal protection measures, see section 8. For subsequent waste disposal, follow the recommendations in section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.

Dispose of rinse water in accordance with local and national

regulations.

Advice on protection against

fire and explosion

: Avoid formation of aerosol. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of

electrostatic charge.

: Handle in accordance with good industrial hygiene and safety Hygiene measures

practice. Wash hands before breaks and at the end of work-

day.

according to Regulation (EC) No. 1907/2006



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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: No smoking. Keep in a well-ventilated place.

Further information on stor-

age conditions

: <** Phrase language not available: [EN] CUST -

Z99.0000000038 **>

Storage period : 12 Months

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : For the use of this product do not exist particular recommen-

dations apart from that already indicated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
heptan-2-one	110-43-0	TWA	50 ppm 238 mg/m3	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
heptan-2-one	110-43-0	STEL	100 ppm 475 mg/m3	2000/39/EC
Further information	Identifies the	Identifies the possibility of significant uptake through the skin, Indicative		
heptan-2-one	110-43-0	STEL	100 ppm 475 mg/m3	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
heptan-2-one	110-43-0	TWA	50 ppm 237 mg/m3	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
n-butyl acetate	123-86-4	TWA	150 ppm 724 mg/m3	GB EH40
n-butyl acetate	123-86-4	STEL	200 ppm 966 mg/m3	GB EH40
2-methoxy-1- methylethyl ace- tate	108-65-6	TWA	50 ppm 275 mg/m3	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
2-methoxy-1- methylethyl ace- tate	108-65-6	STEL	100 ppm 550 mg/m3	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
2-methoxy-1-	108-65-6	TWA	50 ppm	GB EH40

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methylethyl ace- tate			274 mg/m3	
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
2-methoxy-1- methylethyl ace- tate	108-65-6	STEL	100 ppm 548 mg/m3	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
butylglycol acetate	112-07-2	TWA	20 ppm 133 mg/m3	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
butylglycol acetate	112-07-2	STEL	50 ppm 333 mg/m3	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
butylglycol acetate	112-07-2	TWA	20 ppm	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
butylglycol acetate	112-07-2	STEL	50 ppm	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
acetone	67-64-1	TWA	500 ppm 1,210 mg/m3	2000/39/EC
Further information	Indicative			
acetone	67-64-1	TWA	500 ppm 1,210 mg/m3	GB EH40
acetone	67-64-1	STEL	1,500 ppm 3,620 mg/m3	GB EH40

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

heptan-2-one : End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 394.25 mg/m3

n-butyl acetate : End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 480 mg/m3

2-butoxyethyl acetate : End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 133 mg/m3 : End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 1210 mg/m3

Low boiling point naphtha -

unspecified

acetone

: End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 608 mg/m3

2-methoxy-1-methylethyl ace-

: End Use: Workers

tate

Exposure routes: Inhalation

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Potential health effects: Long-term systemic effects

Value: 275 mg/m3

8.2 Exposure controls

Personal protective equipment

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Hand protection

Remarks : Solvent-resistant gloves The selected protective gloves have

to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Before removing gloves

clean them with soap and water.

Skin and body protection : impervious clothing

Choose body protection according to the amount and concen-

tration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an ap-

proved filter.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : colourless

Odour : characteristic

pH : not applicable

Melting point/range : not applicable

Boiling point/boiling range : 56.2 °C

(7.6 hPa)

Flash point : 23 °C

Method: ISO 1523, closed cup

Setaflash

Upper explosion limit : 8 %(V)

(25°C)

Vapour pressure : 14.8 hPa (20 °C)

79 hPa (50 °C)

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Density : 0.978 g/cm3 (20 °C)

Method: ISO 2811-1

Solubility(ies)

Water solubility : immiscible

Auto-ignition temperature : 429 °C

Viscosity

Viscosity, dynamic : 296 mPa.s (20 °C)

Method: ISO 2555

Viscosity, kinematic : > 20.5 mm2/s (40 °C)

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if used as directed.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

Strong acids and strong bases

10.6 Hazardous decomposition products

Hazardous decomposition

products

: Carbon monoxide

according to Regulation (EC) No. 1907/2006



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate : 1,231 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : > 20 mg/l

Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 2,000 mg/kg

Method: Calculation method

Components:

heptan-2-one:

Acute oral toxicity : Acute toxicity estimate : 500 mg/kg

Method: Converted acute toxicity point estimate

Acute dermal toxicity : LD50 (rabbit): 12,600 mg/kg

Method: OECD Test Guideline 402

n-butyl acetate:

Acute oral toxicity : LD50 Oral (rat): 10,768 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (rat): 23.4 mg/l

Exposure time: 4 h

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (rabbit): 17,600 mg/kg

Method: OECD Test Guideline 402

butylglycol acetate:

Acute oral toxicity : LD50 Oral (rat): 1,880 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (rat): 20 mg/l

Exposure time: 4 h

Method: OECD Test Guideline 403

Acute dermal toxicity : Acute toxicity estimate : 1,100 mg/kg

Method: Converted acute toxicity point estimate

acetone:

Acute oral toxicity : LD50 Oral (rat): 5,800 mg/kg

Method: OECD Test Guideline 401

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Acute inhalation toxicity : LC50 (rat): 100.2 mg/l

Exposure time: 4 h

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (rabbit): 20,000 mg/kg

Method: OECD Test Guideline 402

Bis(hydroxiphenylbenzotriazole) derivative:

Acute oral toxicity : LD50 Oral (rat): 2,000 mg/kg

Method: OECD Test Guideline 401

Hydroxiphenylbenzotriazole derivative:

Acute oral toxicity : LD50 Oral (rat): 2,000 mg/kg

Method: OECD Test Guideline 401

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate:

Acute oral toxicity : LD50 Oral (rat): 2,000 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (rat): 2,000 mg/kg

Method: OECD Test Guideline 402

Solvent naphtha (petroleum), light arom.:

Acute oral toxicity : LD50 Oral (rat): 3,592 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (rat): > 20 mg/l

Exposure time: 4 h

Acute dermal toxicity : LD50 (rabbit): 3,160 mg/kg

Method: OECD Test Guideline 402

Methyl 12266-pentamethyl-4-piperydynyl sebacate:

Acute oral toxicity : LD50 Oral (rat): 2,000 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (rat): 2,000 mg/kg

Method: OECD Test Guideline 402

2-methoxy-1-methylethyl acetate:

Acute oral toxicity : LD50 Oral (rat): 8,532 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (rat): 35.7 mg/l

Exposure time: 4 h

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (rat): 5,000 mg/kg

Method: OECD Test Guideline 402

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Skin corrosion/irritation

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation

Product:

Remarks: Severe eye irritation

Respiratory or skin sensitisation

Product:

Remarks: Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment

: Based on available data, the classification criteria are not met.

Carcinogenicity

Product:

Carcinogenicity - Assess-

ment

: Based on available data, the classification criteria are not met.

Reproductive toxicity

Product:

Reproductive toxicity - As-

sessment

: Based on available data, the classification criteria are not met.

STOT - single exposure

Product:

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

STOT - repeated exposure

Product:

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Aspiration toxicity

Product:

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Based on available data, the classification criteria are not met.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Components:

heptan-2-one:

Toxicity to fish : Remarks: not applicable

Toxicity to daphnia and other : Remarks: not applicable

aquatic invertebrates

Toxicity to algae : Remarks: not applicable

n-butyl acetate:

Toxicity to fish : LC50 (Fish): 18 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia): 32 mg/l Exposure time: 48 h

Method: OECD Test Guideline 202

: EC50 (Algae): 675 mg/l Toxicity to algae

Exposure time: 72 h

Method: OECD Test Guideline 201

butylglycol acetate:

Toxicity to fish : LC50 (Fish): 28 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia): 37 mg/l Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Algae): 1,570 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

acetone:

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Toxicity to fish : LC50 (Fish): 5,540 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia): 12,100 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Bis(hydroxiphenylbenzotriazole) derivative:

Toxicity to fish : LC50 (Fish): 2.8 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia): 3.8 mg/l

aquatic invertebrates

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Algae): 9 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Hydroxiphenylbenzotriazole derivative:

Toxicity to fish : LC50 (Fish): 2.8 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia): 3.8 mg/l

aquatic invertebrates

Exposure time: 48 h

Toxicity to algae : EC50 (Algae): 5,540 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate:

: LC50 (Fish): 0.97 mg/l Toxicity to fish

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia): 20 mg/l Exposure time: 48 h

Method: OECD Test Guideline 202

Solvent naphtha (petroleum), light arom.:

Toxicity to fish : LC50 (Fish): 9.2 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia): 3.2 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Algae): 2.9 mg/l

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Exposure time: 72 h

Method: OECD Test Guideline 201

Methyl 12266-pentamethyl-4-piperydynyl sebacate:

Toxicity to fish : LC50 (Fish): 0.97 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia): 20 mg/l Exposure time: 48 h

Method: OECD Test Guideline 202

2-methoxy-1-methylethyl acetate:

Toxicity to fish : LC50 (Fish): 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia): 408 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Algae): 1,000 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

12.6 Other adverse effects

Product:

Environmental fate and

pathways

: No data available

Additional ecological infor-

mation

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic or-

ganisms, may cause long-term adverse effects in the aquatic

environment.

according to Regulation (EC) No. 1907/2006



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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Offer surplus and non-recyclable solutions to a licensed dis-

posal company.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

14.1 UN number

 ADR
 : UN 1263

 IMDG
 : UN 1263

 IATA
 : UN 1263

14.2 UN proper shipping name

ADR : PAINT
IMDG : PAINT
IATA : Paint

14.3 Transport hazard class(es)

 ADR
 : 3

 IMDG
 : 3

 IATA
 : 3

14.4 Packing group

ADR

Packing group : III
Classification Code : F1
Hazard Identification Number : 33
Labels : 3

IMDG

Packing group : III
Labels : 3

EmS Code : F-E, <u>S-E</u>

IATA

according to Regulation (EC) No. 1907/2006



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Packing instruction (cargo : 366

aircraft)

Packing instruction (LQ) : Y344
Packing group : III

Labels : Flammable Liquids

14.5 Environmental hazards

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

not applicable

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

joi-accident nazards involving dangerous substances

Quantity 1

Quantity 2

P5c

FLAMMABLE LIQUIDS

5,000 t

50,000 t

Volatile organic compounds : 390 g/l

Directive 2004/42/EC : Topcoat (420 g/l)

Other regulations : The product is classified and labelled in accordance with EC

directives or respective national laws.

15.2 Chemical Safety Assessment

not applicable

SECTION 16: Other information

Full text of R-Phrases

R10 Flammable. R11 Highly flammable.

R20/21 Harmful by inhalation and in contact with skin. R20/22 Harmful by inhalation and if swallowed.

R36 Irritating to eyes.

R37 Irritating to respiratory system.

R43 May cause sensitisation by skin contact.

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

the aquatic environment.

according to Regulation (EC) No. 1907/2006



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R51/53	Toxic to aquatic organisms, may cause	e long-term adverse effects in the	
R65	aquatic environment. Harmful: may cause lung damage if swallowed.		
R66	Repeated exposure may cause skin dr	yness or cracking.	
R67	Vapours may cause drowsiness and dizziness.		

Full text of H-Statements

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.
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.
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.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.