

1.4 Emergency telephone number

# Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830 - Europe

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

## **1.1 Product identifier**

Product name :	HEMPEL'S MILLE PROP 7154X
Product identity :	7154X10430
Product type :	antifouling paint (Aerosol paint)

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

Field of application :	yacht, ships and shipyards.
Identified uses :	Consumer applications, Used by spraying.

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

Company details :	HEMPEL A/S Lundtoftegårdsvej 91	Emergency telephone number (with hours of operation)
	DK-2800 Kgs. Lyngby Denmark Tel.: + 45 45 93 38 00 hempel@hempel.com	+45 45 93 38 00 (08.00 - 17.00) See section 4 First aid measures.
Date of issue :	19 May 2016	
Date of previous issue :	2 March 2016.	

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

## 2.1 Classification of the substance or mixture

Product definition : Mixture

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

Aerosol 1, H222, H229AEROSOLS - Category 1Aquatic Acute 1, H400AQUATIC HAZARD (ACUTE) - Category 1Aquatic Chronic 1, H410AQUATIC HAZARD (LONG-TERM) - Category 1

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

Hazard pictograms :



Signal word :	Danger
Hazard statements :	H222 - Extremely flammable aerosol. H229 - Pressurized container: may burst if heated. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements :	
General :	Keep out of reach of children.
Prevention :	Avoid breathing vapors, spray or mists. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Response :	Collect spillage.
Storage :	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Disposal :	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients :	Not applicable.
Special packaging requirements	
Containers to be fitted with child- resistant fastenings :	Not applicable.
Tactile warning of danger :	Not applicable.

### 2.3 Other hazards



# **SECTION 2: Hazards identification**

Other hazards which do not result Prolonged or repeated contact may dry skin and cause irritation. in classification :

# **SECTION 3: Composition/information on ingredients**

## 3.2 Mixtures

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
Dimethyl ether	EC: 204-065-8 CAS: 115-10-6 Index: 603-019-00-8	≥25 - ≤50	Flam. Gas 1, H220 - Press. Gas Comp. Gas, H280	[2]
solvent naphtha (petroleum), light arom.	REACH #: 01-2119455851-35 EC: 265-199-0 CAS: 64742-95-6	≥10 - ≤15	Flam. Liq. 3, H226 P STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	[1] [2]
zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≥5 - ≤10	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥5 - ≤6	Flam. Liq. 3, H226 C Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315	[1] [2]
o-xylene	REACH #: 01-2119485822-30 EC: 202-422-2 CAS: 95-47-6 Index: 601-022-00-9	≥1 - ≤3.5	Flam. Liq. 3, H226 C Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315	[1] [2]
4-methylpentan-2-one	REACH #: 01-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4	≥1 - ≤3	Flam. Liq. 2, H225 Acute Tox. 4, H332 Eye Irrit. 2, H319 STOT SE 3, H335 EUH066	[1] [2]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥1 - ≤3	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304	[1] [2]
Fatty acids, tall-oil, compds. with (Z)-N-9-octadecenyl-1, 3-propanediamine (2:1)	EC: 295-184-4 CAS: 91845-13-5	≤0.3	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1)	[1]
9-octadecenoic acid (z)-compd. with (z)-n-9-octadecenyl-1, 3-propanediamine	EC: 254-754-2 CAS: 40027-38-1	≤0.3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT RE 2, H373 (oral) Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411 See Section 16 for the full text of the H statements declard above.	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

#### Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit, see section 8.

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

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

#### 4.1 Description of first aid measures

General :	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
	If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 112 and give immediate treatment (first aid).
Eye contact :	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation :	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and get medical attention immediately.



# **SECTION 4: First aid measures**

Skin contact :	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion :	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat.
Protection of first-aiders :	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

# Potential acute health effects

Eye contact :	No known significant effects or critical hazards.
Inhalation :	No known significant effects or critical hazards.
Skin contact :	Defatting to the skin. May cause skin dryness and irritation.
Ingestion :	No known significant effects or critical hazards.
Over-exposure signs/symptoms	
Eye contact :	Adverse symptoms may include the following: irritation redness

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Inhalation :	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact :	Adverse symptoms may include the following: irritation dryness cracking
Ingestion :	No specific data.

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

Notes to physician :	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.

# **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Extinguishing media :	Recommended: alcohol resistant foam, CO <sub>2</sub> , powders, water spray.
	Not to be used: waterjet.

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

Hazards from the substance or mixture :	Extremely flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products :	Decomposition products may include the following materials: carbon oxides metal oxide/oxides

## 5.3 Advice for firefighters

When heated, the pressure inside the container will increase and may lead to the risk of an explosion. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.



# **SECTION 6: Accidental release measures**

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

Avoid all direct contact with the spilled material. Exclude sources of ignition and be aware of explosion hazard. Ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8. No action shall be taken involving any personal risk or without suitable training. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

### 6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

### 6.3 Methods and materials for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Contaminated absorbent material may pose the same hazard as the spilled product.

## 6.4 Reference to other sections

See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

# **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. In addition, the product should be used only in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. No sparking tools should be used.

Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Keep out of the reach of children. Keep away from sources of ignition - No smoking.

## 7.3 Specific end use(s)

See separate Product Data Sheet for recommendations or industrial sector specific solutions.

## SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Product/ingredient name	Exposure limit values
Dimethyl ether	EU OEL (Europe, 12/2009). TWA: 1920 mg/m <sup>3</sup> 8 hours. TWA: 1000 ppm 8 hours.
solvent naphtha (petroleum), light arom.	EU OEL (Europe). TWA: 120 mg/m <sup>3</sup> 8 hours. Form: TWA: 25 ppm 8 hours. Form:
xylene	EU OEL (Europe, 12/2009). Absorbed through skin. STEL: 442 mg/m <sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes. TWA: 221 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.
o-xylene	EU OEL (Europe, 12/2009). Absorbed through skin. STEL: 442 mg/m <sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes. TWA: 221 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.
4-methylpentan-2-one	EU OEL (Europe, 12/2009). STEL: 208 mg/m <sup>3</sup> 15 minutes.



# **SECTION 8: Exposure controls/personal protection**

	STEL: 50 ppm 15 minutes. TWA: 83 mg/m³ 8 hours. TWA: 20 ppm 8 hours.
ethylbenzene	EU OEL (Europe, 12/2009). Absorbed through skin. STEL: 884 mg/m <sup>3</sup> 15 minutes. STEL: 200 ppm 15 minutes. TWA: 442 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours.

#### **Recommended monitoring procedures**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **Derived effect levels**

No DNELs/DMELs available.

#### Predicted effect concentrations

No PNECs available.

#### 8.2 Exposure controls

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#### Appropriate engineering controls

Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

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#### Individual protection measures

Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure.
Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.
Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Wear chemical-resistant gloves (tested to EN374) in combination with 'basic' employee training. The quality of the chemical-resistant protective gloves must be chosen as a function of the specific workplace concentrations and quantity of hazardous substances.
Since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type. Below listed glove(s) should be regarded as generic advice:
Recommended: Silver Shield / 4H gloves, polyvinyl alcohol (PVA), Viton $^{I\!\!R}$ May be used: nitrile rubber
Short term exposure: neoprene rubber, butyl rubber, natural rubber (latex), polyvinyl chloride (PVC)
Personal protective equipment for the body should be selected based on the task being performed and the risks involved handling this product. Wear suitable protective clothing. Always wear protective clothing when spraying.
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 working areas have insufficient ventilation: When the product is applied by means that will not generate an aerosol such as, brush or roller wear half or totally covering mask equipped with gas filter of type A, when grinding use particle filter of type P. Be sure to use an approved/certified respirator or equivalent. <b>This product contains low-boiling point liquids. Any respiratory protective equipment should be air-fed.</b>



# **SECTION 8: Exposure controls/personal protection**

#### **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

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Physical state :	Liquid. Aerosol.
Color :	Grey
Odor :	Solvent-like
pH :	Testing not relevant or not possible due to nature of the product.
Melting point/freezing point :	-141.5°C This is based on data for the following ingredient: Dimethyl ether
Boiling point/boiling range :	Testing not relevant or not possible due to nature of the product.
Flash point :	Closed cup: 35°C (95°F)
Evaporation rate :	Testing not relevant or not possible due to nature of the product.
Flammability :	Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat. Flammable in the presence of the following materials or conditions: oxidizing materials. Slightly flammable in the presence of the following materials or conditions: reducing materials.
Lower and upper explosive (flammable) limits :	0.8 - 26.2 vol %
Vapor pressure :	513.21 kPa This is based on data for the following ingredient: Dimethyl ether
Vapor density :	Testing not relevant or not possible due to nature of the product.
Relative density :	1.09 g/cm³
Solubility(ies) :	Partially soluble in the following materials: cold water and hot water.
Partition coefficient (LogKow) :	Testing not relevant or not possible due to nature of the product.
Auto-ignition temperature :	Lowest known value: 280 - 470°C (536 - 878°F) (solvent naphtha (petroleum), light arom.).
Decomposition temperature :	Testing not relevant or not possible due to nature of the product.
Viscosity :	Aspiration hazard (H304) Not classified. Testing not relevant due to nature of the product.
Explosive properties :	Sightly explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.
Oxidizing properties :	Testing not relevant or not possible due to nature of the product.
9.2 Other information	
Aerosol product	
Type of aerosol	Spray
Heat of combustion	4 622 k l/a

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Heat of combustion	4.632 kJ/g
Solvent(s) % by weight :	Weighted average: 60 %
Water % by weight :	Weighted average: 0 %
VOC content :	654.9 g/l
TOC Content :	Weighted average: 224 g/l
Solvent Gas :	Weighted average: 0.258 m3/l

# **SECTION 10: Stability and reactivity**

## 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

## 10.2 Chemical stability

The product is stable.

## 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.



# **SECTION 10: Stability and reactivity**

## 10.4 Conditions to avoid

Avoid all possible sources of ignition (spark or flame).

## 10.5 Incompatible materials

Highly reactive or incompatible with the following materials: oxidizing materials, reducing materials and acids. Reactive or incompatible with the following materials: organic materials, alkalis and moisture.

### 10.6 Hazardous decomposition products

When exposed to high temperatures (i.e. in case of fire) harmful decomposition products may be formed:

Decomposition products may include the following materials: carbon oxides metal oxide/oxides

# **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

Exposure to component solvent vapor concentrations may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Accidental swallowing may cause stomach pain. Chemical lung inflammation may occur if the product is taken into the lungs via vomiting.

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Dimethyl ether	LC50 Inhalation Gas.	Rat	164000 ppm	4 hours
	LC50 Inhalation Vapor	Rat	309 g/m <sup>3</sup>	4 hours
solvent naphtha (petroleum), light	LC50 Inhalation Vapor	Rat	6193 mg/m <sup>3</sup>	4 hours
arom.			-	
	LD50 Dermal	Rabbit	3160 mg/kg	-
	LD50 Oral	Rat	8400 mg/kg	-
zinc oxide	LC50 Inhalation Vapor	Rat	>5.7 mg/l	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
xylene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
	LC50 Inhalation Vapor	Rat	6350 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
o-xylene	LD50 Oral	Rat	3567 mg/kg	-
4-methylpentan-2-one	LD Dermal	Rabbit	>3 g/kg	-
ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-
-	LD50 Oral	Rat	3500 mg/kg	-

Acute toxicity estimates

Route	ATE value
Dermal	13777.3 mg/kg
Inhalation (gases)	79297.1 ppm
Inhalation (vapors)	97.58 mg/l

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure
solvent naphtha (petroleum), light arom.	Eyes - Mild irritant	Rabbit	-	24 hours 100 microliters
zinc oxide	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams
xylene	Eyes - Severe irritant	Rabbit	-	24 hours 5 milligrams
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams
4-methylpentan-2-one	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams
ethylbenzene	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams
	Respiratory - Mild irritant	Rabbit	-	-
	Eyes - Mild irritant	Rabbit	-	-

## Mutagenic effects

No known significant effects or critical hazards.

#### Carcinogenicity

No known significant effects or critical hazards.



# **SECTION 11: Toxicological information**

## **Reproductive toxicity**

No known significant effects or critical hazards.

# **Teratogenic effects**

No known significant effects or critical hazards.

# Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
solvent naphtha (petroleum), light arom.	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
1,2,4-trimethylbenzene 4-methylpentan-2-one	Category 3 Category 3	Not applicable. Not applicable.	Respiratory tract irritation Respiratory tract irritation

## Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene 9-octadecenoic acid (z)-compd. with (z)-n-9-octadecenyl- 1,3-propanediamine	Category 2 Category 2	Not determined Oral	hearing organs Not determined

#### Aspiration hazard

Product/ingredient name	Result
solvent naphtha (petroleum), light arom.	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1

# Information on the likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation.

# Potential chronic health effects

Other information : No additional known significant effects or critical hazards.

# **SECTION 12: Ecological information**

## 12.1 Toxicity

Do not allow to enter drains or watercourses. Very toxic to aquatic life with long lasting effects.

Product/ingredient name	Result	Species	Exposure
solvent naphtha (petroleum), light arom.	Acute EC50 19 mg/l	Algae - Pseudokirchneriella subcapitata (green algae)	96 hours
	Acute EC50 6.14 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 9.22 mg/l	Fish - Oncorhynchus mykiss (rainbow trout)	96 hours
zinc oxide	Acute EC50 0.042 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata - Exponential growth phase	72 hours
	Acute LC50 98 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 1.1 - 2.5 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 0.017 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata - Exponential growth phase	72 hours
4-methylpentan-2-one	Chronic NOEC 7800 - 39000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 168 mg/l Fresh water	Fish - Pimephales promelas - Embryo	33 days
ethylbenzene	Chronic NOEC <1000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours

## 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
solvent naphtha (petroleum), light arom. xylene ethylbenzene	- -	>70 % - Readily - 28 days >60 % - Readily - 28 days >70 % - Readily - 28 days	-	-
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability	
solvent naphtha (petroleum), light arom. xylene ethylbenzene	-	-	Readily Readily Readily	

### 12.3 Bioaccumulative potential



# **SECTION 12: Ecological information**

Product/ingredient name	LogPow	BCF	Potential
Dimethyl ether	0.07	-	low
solvent naphtha (petroleum), light arom.	-	10 - 2500	high
zinc oxide	2.2	60960	high
xylene	3.12	8.1 - 25.9	low
o-xylene	3.12	8.1 - 25.9	low
4-methylpentan-2-one	1.9	-	low
ethylbenzene	3.6	-	low

# 12.4 Mobility in soil

Soil/water partition coefficient	No known data avaliable in our database.
(K <sub>oc</sub> ) :	
Mobility :	No known data avaliable in our database.

## 12.5 Results of PBT and vPvB assessment

PBT :	Not applicable.
vPvB :	Not applicable.

## 12.6 Other adverse effects

No known significant effects or critical hazards.

## **SECTION 13: Disposal considerations**

# 13.1 Waste treatment methods

Do not puncture or incinerate container. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations.

European waste catalogue no. (EWC) is given below.

European waste catalogue (EWC) : 15 01 11\* Do not puncture or incinerate container.

## Packaging

The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

# **SECTION 14: Transport information**

Transport may take place according to national regulation or ADR for transport by road, RID for transport by train, IMDG for transport by sea, IATA for transport by air.

	14.1 UN no.	14.2 Proper shipping name	14.3 Transport hazard class(es)	14.4 PG*	14.5 Env*	Additional information
ADR/RID Class	UN1950	AEROSOLS		-	Yes.	The environmentally hazardous substance mark is not required when transported in sizes of $\leq$ 5 L or $\leq$ 5 kg.
						<u>Tunnel code</u> (D)
IMDG Class	UN1950	AEROSOLS. (zinc oxide)	2.1	-	Yes.	The marine pollutant mark is not required when transported in sizes of $\leq 5$ L or $\leq 5$ kg.
						<u>Emergency schedules</u> ( <u>EmS)</u> F-D, S-U
IATA Class	UN1950	AEROSOLS	2.1	-	No.	The environmentally hazardous substance mark may appear if required by other transportation regulations.

PG\* : Packing group Env.\* : Environmental hazards



# **SECTION 14: Transport information**

#### 14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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

Not applicable.

## **SECTION 15: Regulatory information**

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

EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorization - Substances of very high concern Annex XIV

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable.

#### Other EU regulations

Seveso category

This product is controlled under the Seveso III Directive.

#### Seveso category

P3a: Flammable aerosols containing flammable gases or flammable liquids

E1: Hazardous to the aquatic environment - Acute 1 or Chronic 1

C8: Extremely flammable (R12 or any flammable maintained at temperature > boiling point)

C9i: Very toxic for the environment

Aerosol dispensers :

3

#### Extremely flammable

## International regulations

#### IMO Anti-fouling System Convention Compliant (AFS/CONF/26)

This product does not contain organotin compounds acting as biocides and complies with the International Convention on the Control of Harmful Anti-fouling Systems on Ships as adopted by IMO October 2001 (IMO document AFS/CONF/26)

Product type :	antifouling paint (Aerosol paint)
Manufacturer :	Hempel A/S
Product name and/or code :	HEMPEL'S MILLE PROP 7154X
	7154X10430
Colour :	Grey

Note: This name is shown on the product container. All products in HEMPEL's containers carrying this name comply with the IMO Convention (AFS/CONF/26).

Active ingredient(s):

#### **15.2 Chemical Safety Assessment**

This product contains substances for which Chemical Safety Assessments are still required.

## **SECTION 16: Other information**

Abbreviations and acronyms :	ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] EUH statement = CLP-specific Hazard statement RRN = REACH Registration Number DNEL = Derived No Effect Level
	PNEC = Predicted No Effect Concentration



# **SECTION 16: Other information**

H222, H229       Extremely flammable äerosol. Pressured container: may burst if heated.         H226       Flammable liquid and vapor.         H280       Contains gas under pressure; may explode if heated.         H302       Harmful if swallowed.         H302       Harmful if swallowed.         H312       Harmful in contact with skin.         H315       Causes skin irritation.         H316       Causes skin irritation.         H337       May cause drowsines or dizziness.         H336       May cause drowsines or dizziness.         H337       (may cause drowsiness or dizziness.         H337       (may cause damage to organs through prolonged or repeated exposure. (hearing organs)         organs)       organs in doubt life.         H410       Very toxic to aquatic life with long lasting effects.         H411       Toxic to aquatic life with long lasting effects.         H422       Acute Tox. 4, H332         Acute Tox. 4, H332       ACUTE TOXICITY (orgal). Category 4         Acute Tox. 4, H332       AcutTic ToXICITY (orgal). Category 1         H410       Very toxic to aquatic life with long lasting effects.         H411       Toxic to aquatic life with long lasting effects.         H429       Acute Tox. 4, H332         Acute Tox. 4, H332       ACUTE TOXI			
H225       Highly frammable liquid and vapor.         H226       Flammable liquid and vapor.         H280       Contains gas under pressure; may explode if heated.         H304       May be fatal if swallowed.         H304       May be fatal if swallowed.         H304       May be fatal if swallowed.         H315       Causes serious eye damage.         H318       Causes serious eye limitation.         H335       May cause respiratory irritation.         H336       May cause damage to organs through prolonged or repeated exposure. (hearing organs)         organs)       organs)         organs)       organs)         organs)       organs)         organs)       organs)         H310       Very toxic to aquatic life with long lasting effects.         H410       Very toxic to aquatic life with long lasting effects.         H410       Very toxic to aquatic life with long lasting effects.         H411       CAUTE TOXICITY (rinhalation) - Category 4         Acute Tox 4, H322       ACUTE TOXICITY (rinhalation) - Category 1         H400       AQUATIC HAZARD (ACUTE) - Category 1         H410       APEROSOLS - Category 1         H411       AQUATIC HAZARD (CLONG-TERM) - Category 1         H410       AQUATIC HAZARD (CLONG-TERM) - Ca	Full text of abbreviated H statements :	H220	Extremely flammable gas.
H226       Flammable fiquid and vapor.         H280       Contains gas under pressure; may explode if heated.         H302       Harmful if swallowed.         H304       May be fail if swallowed.         H315       Causes serious eye intration.         H318       Causes serious eye intration.         H319       Causes serious eye intration.         H332       Harmful if inhaled.         H333       May cause drowsiness or dizziness.         H336       May cause domage to organs through prolonged or repeated exposure. (hearing organs)         organs)       May cause damage to organs through prolonged or repeated exposure. (hearing organs)         organs)       May cause damage to organs through prolonged or repeated exposure if swallowed.         H400       Very toxic to aquatic life with long lasting effects.         H411       Toxic to aquatic life with long lasting effects.         H411       Toxic to aquatic life with long lasting effects.         Acute Tox. 4, H332       ACUTE TOX/CITY (inhalation) - Category 4         Acute Tox. 4, H332       ACUTE TOX/CITY (inhalation) - Category 1         H229       Aquatic Chronic 1,       AQUATIC HAZARD (LONG-TERM) - Category 1         H410       H400       H410         H410       ASPIRATION HAZARD - Category 1         H411			,
H280       Contains gas under pressure; may explode if heated.         H302       Harmful if swallowed.         H304       May be fatal if swallowed and enters ainways.         H315       Causes serious eye damage.         H316       Causes serious eye initiation.         H317       Harmful ir inhaled.         H318       Causes serious eye initiation.         H318       Causes serious eye initiation.         H336       May cause respiratory initiation.         H336       May cause damage to organs through prolonged or repeated exposure. (hearing organs)         organs)       Organs)         organs)       Organs)         H310       Very toxic to aquatic life with long lasting effects.         H410       Very toxic to aquatic life with long lasting effects.         H411       Acute Tox. 4, H302         Acute Tox. 4, H302       ACUTE TOXICITY (rain) - Category 4         Acute Tox. 4, H302       ACUTE TOXICITY (rainal) - Category 4         Acute Tox. 4, H302       ACUTE TOXICITY (rainal) - Category 1         H209       Aquatic Acute 1.         Aquatic Acute 1.       AQUATIC HAZARD (LONG-TERM) - Category 1         H410       Aquatic Chronic 1.         Aquatic Chronic 1.       AQUATIC HAZARD (LONG-TERM) - Category 2         H411 <td></td> <td>H225</td> <td></td>		H225	
H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes serious eye intration. H318 Causes serious eye intration. H318 Causes serious eye intration. H319 Causes serious eye intration. H335 May cause drowsiness or dizaness. H373 (hearing May cause drowsiness or dizaness. H470 Very toxic to aquatic life with long lasting effects. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquato Life with long lasting effects. H411 Acute Tox. 4, H322 ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H32 ACUTE TOXICITY (imaliation) - Category 4 Acute Tox. 4, H32 ACUTE TOXICITY (imaliation) - Category 1 H420 Aquatic Chronic 1, AQUATIC HAZARD (LONG-TERM) - Category 1 H410 Aquatic Chronic 2, AQUATIC HAZARD - Category 1 H411 Asp. Tox. 1, H304 SERIOUS EYE DAMAGE/ EYE IRRTATION - Category 1 EVP (hit. 2, H318 SERIOUS EYE DAMAGE/ EYE IRRTATION - Category 1 Fiam. Liq. 2, H225 FLAMMABLE LOQUIDS - Category 2 Fiam. Liq. 3, H226 FLAMMABLE LOQUIDS - Category 2 Fiam. Liq. 3, H226 FLAMMABLE LOQUIDS - Category 2 Fiam. Liq. 3, H226 FLAMMABLE LOQUIDS - Category 2 Fiam. Liq. 3, H236 SINIC ORROSIONIRRITATION - Category 2 STOT FE 2, H333 SINIC ORROSIONIRRITATION - Category 2 STOT FE 2, H335 SINIC CAROED ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2 STOT FE 3, H338 SFECIFIC TARGET ORG		H226	
H304May be fatal if swallowed and enters airways.H312Harmful in contact with skin.H313Causes skin initation.H314Causes serious eye damage.H319Causes serious eye initiation.H335May cause respiratory initiation.H336May cause damage to organs through prolonged or repeated exposure. (hearing organs)organs)organs)organs)organsH307May cause damage to organs through prolonged or repeated exposure if swallowed.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H410Very toxic to aquatic life.H411Acute Tox. 4.1432Acute Tox. 4.1432ACUTE TOXICITY (organ) - Category 4Acute Tox. 4.1432ACUTE TOXICITY (armal) - Category 4Acute Tox. 4.1432ACUTE TOXICITY (armal) - Category 4Acute Tox. 4.1432ACUTE TOXICITY (armal) - Category 1H400H400Aquatic Chronic 1, H400AQUATIC HAZARD (LONG-TERM) - Category 1H411Asp. Tox. 1.1434Asp. Tox. 1.1434ASPIRATION I HAZARD - Category 1H411Asp. Tox. 1.1434Asp. Tox. 1.1434SERIOUS EYE DAMAGE / EVE IRRITATION - Category 1Flam. Liq. 3.1422Flam. Gas. 1.1423Flam. Gas. 1.1423Flam		H280	Contains gas under pressure; may explode if heated.
H312     Harmful in contact with skin.       H315     Causes serious eye damage.       H316     Causes serious eye initiation.       H317     Causes serious eye initiation.       H318     Causes serious eye initiation.       H319     Causes erious eye initiation.       H332     Harmful if inhaled.       H333     May cause drowsiness or dizziness.       H373 (hearing     May cause drowsiness or dizziness.       H373 (hearing     May cause drowsiness or dizziness.       H373 (rearing     May cause drowsiness or dizziness.       H373 (rearing     May cause drowsiness or dizziness.       H373 (rearing     May cause drowsines or dizziness.       H410     Very toxic to aquatic life with long lasting effects.       H411     Toxic to aquatic life with long lasting effects.       Full text of classifications [CLP/GHS]:     Acute Tox. 4, H302       Acute Tox. 4, H312     ACUTE TOXICITY (doma) - Category 4       Acute Tox. 4, H312     ACUTE TOXICITY (doma) - Category 1       H429     Aquatic Chronic 1,       Aquatic Chronic 1,     AQUATIC HAZARD (ACUTE) - Category 1       H410     Aquatic Chronic 2,       Aquatic Chronic 2,     AQUATIC HAZARD - Category 1       H411     Aspit.Acute 1,       Asp. Tox. 1, H304     SPRIOUS EYE DAMAGE/ EYE IRITATION - Category 1       Film. Lig.		H302	Harmful if swallowed.
H315 Causes skin irritation, H318 Causes serious eye irritation, H319 Causes serious eye irritation, H320 Harmful irrihaled. H335 May cause drowsiness or dizziness. H336 May cause drowsiness or dizziness. H337 (hearing May cause drowsiness or dizziness. H337 (hearing May cause damage to organs through prolonged or repeated exposure. (hearing organs) H337 (oral) May cause damage to organs through prolonged or repeated exposure if swallowed. 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. H411 Acute Tox. 4, H322 ACUTE TOXICITY (all) - Category 4 Acute Tox. 4, H322 ACUTE TOXICITY (inhalidion). Category 4 Acute Tox. 4, H322 ACUTE TOXICITY (inhalidion). Category 1 H229 Aquatic Acute 1, AQUATIC HAZARD (ACUTE) - Category 1 H220 Aquatic Chronic 1, AQUATIC HAZARD (LONG-TERM) - Category 1 H410 Aquatic Chronic 2, AQUATIC HAZARD (LONG-TERM) - Category 1 H411 Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1 H411 Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1 H411 Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1 H411 Asp. Tox. 1, H304 SECOUSE - Category 1 Flam. Gas 1, H220 Flam. Liq. 3, H225 FLAMMABLE LIQUIDS - Category 1 Flam. Case 1, H225 FLAMMABLE GASES - Category 1 Flam. Liq. 3, H226 FLAMMABLE GASES - Category 2 Flam. Liq. 3, H226 FLAMMABLE GASES - Category 1 Flam. Liq. 3, H226 FLAMMABLE GASES - Category 1 Flam. Liq. 3, H236 SKIN IORIC PRESSURE - Compressed gas Gas, H280 SKIN Intit. 2, H375 SPECIFIC TARGET ORGAN TOXICITY (IREPEATED EXPOSURE) (hearing organs) (hearing organs) - Category 2 STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (hearing organs) (hearing organs) - Category 3 STOT SE 3, H330 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (hearing organs) (hearing		H304	May be fatal if swallowed and enters airways.
H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drawsiess or dizziness. H373 (hearing organs) H373 (oral) May cause damage to organs through prolonged or repeated exposure. (hearing organs) H373 (oral) May cause damage to organs through prolonged or repeated exposure if swallowed. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life. H411 Toxic to aquatic life. H411 ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H312 ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H312 ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H312 ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H312 ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H312 ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H312 ACUTE TOXICITY (oral) - Category 1 H229 Aquatic Chronic 1, AQUATIC HAZARD (LONG-TERM) - Category 1 H410 Aquatic Chronic 2, AQUATIC HAZARD (LONG-TERM) - Category 1 H410 Aquatic Chronic 2, AQUATIC HAZARD (LONG-TERM) - Category 1 H410 Aquatic Chronic 2, AQUATIC HAZARD (LONG-TERM) - Category 1 H411 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 H411 Filam. Liq. 2, H225 FLAMMABLE GADUS - Category 1 Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 Eye Imm. 1, 2, H225 FLAMMABLE GASES - Category 1 Filam. Liq. 2, H225 FLAMMABLE GASES - Category 2 Filam. Liq. 2, H225 FLAMMABLE GASES - Category 2 Filam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 2 Filam. Liq. 2, H225 FLAMMABLE LIQUIDS - Category 2 Filam. Liq. 3, H226 FLAMMABLE GASES - Category 1 Filam. Liq. 3, H226 FLAMMABLE GASES - Category 2 Filam. Liq. 3, H226 FLAMMABLE GASES - Category 2 STOT RE 2, H33 SPECIFIC TARGET ORGAN TOX		H312	Harmful in contact with skin.
H319Causes serious éjé initiation.H332Harmful if inhaled.H335May cause respiratory initiation.H336May cause damage to organs through prolonged or repeated exposure. (hearing organs)H373 (nearing organs)May cause damage to organs through prolonged or repeated exposure if swallowed.H400Very toxic to aquatic life.H411Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H411Acute Tox. 4, H322Acute Tox. 4, H322ACUTE TOXICITY (inhaliation) - Category 4Acute Tox. 4, H322ACUTE TOXICITY (inhaliation) - Category 4Acute Tox. 4, H322AQUATIC HAZARD (LONG-TERM) - Category 1H229Aquatic Chronic 2, Aquatic Chronic 2, H411Aquatic Chronic 1, H400AQUATIC HAZARD (LONG-TERM) - Category 1H410Asp. Tox. 1, H304Asp. Tox. 1, H304SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1H410Repeated exposure may cause skin dryness or cracking.Eye Intr. 2, H225FLAMMABLE LOUIDS - Category 1Fiam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 1Fiam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 2Fiam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 2Fi		H315	Causes skin irritation.
H319       Causes serious éve initation.         H322       Harmful if inhaled.         H335       May cause respiratory initiation.         H336       May cause domage to organs through prolonged or repeated exposure. (hearing organs)         organs)       organs)         organs)       organs)         organs)       organs         H410       Very toxic to aquatic life.         H411       Toxic to aquatic life with long lasting effects.         H411       Toxic to aquatic life with long lasting effects.         H411       Toxic to aquatic life with long lasting effects.         Acute Tox. 4, H322       ACUTE TOXICITY (oral) - Category 4         Acute Tox. 4, H322       ACUTE TOXICITY (inhalianton) - Category 4         Acute Tox. 4, H322       AQUTE TOXICITY (inhalianton) - Category 1         H229       Aquatic Chronic 1,         Aquatic Chronic 2,       AQUATIC HAZARD (LONG-TERM) - Category 1         H410       Aquatic Chronic 2,         Aquatic Chronic 2,       AQUATIC HAZARD (LONG-TERM) - Category 1         H410       Asp. Tox. 1, H304         SERIOUS EYE DAMAGE/ EYE IRNITATION - Category 1         Fiam. Liq. 3, H220       FLAMMAGE/ EYE IRNITATION - Category 1         Fiam. Liq. 3, H220       FLAMMAGE/ EYE IRNITATION - Category 2		H318	Causes serious eve damage.
H332Harmful if inhaled.H335May cause regristory irritation.H336May cause damage to organs through prolonged or repeated exposure. (hearing organs)H373 (oral)May cause damage to organs through prolonged or repeated exposure if swallowed.H400Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H411Acute Tox. 4, H302Acute Tox. 4, H312ACUTE TOXICITY (oral) - Category 4Acute Tox. 4, H322ACUTE TOXICITY (inhalation) - Category 4Acute Tox. 4, H322ACUTE TOXICITY (inhalation) - Category 1H229Aquatic Acute 1, H400Aquatic Chronic 2, H411AQUATIC HAZARD (LONG-TERM) - Category 1H410Aquatic Chronic 2, H411Aquatic Chronic 2, H411AQUATIC HAZARD (LONG-TERM) - Category 1H410Aguatic Chronic 2, H411Aquatic Chronic 2, H411AQUATIC HAZARD (LONG-TERM) - Category 1H410Aguatic Chronic 2, H411Aguatic Chronic 2, H411AGUATIC HAZARD (LONG-TERM) - Category 2H411Flam. Gas 1, H220Flam. Gas 1, H220FLAMMABLE GASES - Category 1Flam. Gas 1, H220FLAMMABLE LIQUIDS - Category 2Flam. Liq 3, H225FLAMMABLE LIQUIDS - Category 2Flam. Liq 3, H226FLAMMABLE LIQUIDS - Category 2Flam. Liq 3, H226FLAMMABLE LIQUIDS - Category 2		H319	
H335May cause respiratory initiation.H336May cause drowsiness or dizziness.H3373 (hearingMay cause drowsiness or dizziness.H373 (oral)May cause dramage to organs through prolonged or repeated exposure if swallowed.H400Very toxic to aquatic life.H410Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H411Acute Tox. 4, H322Acute Tox. 4, H322ACUTE TOXICITY (annal) - Category 4Acute Tox. 4, H322ACUTE TOXICITY (annal) - Category 1H229Aquatic Acute 1,Aquatic Chronic 1,AQUATIC HAZARD (LONG-TERM) - Category 1H400H410Aquatic Chronic 2,AQUATIC HAZARD (LONG-TERM) - Category 1H411Asp. Tox. 1, H304Asp. Tox. 1, H304ASPIRATION HAZARD - Category 1Repeated exposure may cause skin dryness or cracking.Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Flam. Gas. 1, H220FLAMMABLE LIQUIDS - Category 3Flam. Cas. 1, H220FLAMMABLE LIQUIDS - Category 3Fress. Gas Comp.GASES UNDER PRESSURE - Compressed gasGas. H220STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs)(oral)Ciralpory 2STOT SE 3, H336SPECIFIC TARGET ORGAN		H332	
H336Máy cause drówsinešs or dizziness.H373 (hearing organs)May cause damage to organs through prolonged or repeated exposure. (hearing organs)H373 (oral)May cause damage to organs through prolonged or repeated exposure if swallowed.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H411Acute Tox. 4, H322Acute Tox. 4, H324ACUTE TOXICITY (oral) - Category 4Acute Tox. 4, H324ACUTE TOXICITY (inhalation) - Category 4Acute Tox. 4, H324ACUTE TOXICITY (inhalation) - Category 1H229Aquatic Acute 1, H410Aquatic Chronic 1, H410AQUATIC HAZARD (LONG-TERM) - Category 1H411Aquatic Chronic 2, H411Aquatic Chronic 2, H411AQUATIC HAZARD (LONG-TERM) - Category 1Aquatic Chronic 2, H411AQUATIC HAZARD (LONG-TERM) - Category 1Eye Dam, 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1Eye Dam, 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Flam. Gai, 1, H222FLAMMABLE LIQUIDS - Category 3Flam. Liq, 2, H225FLAMMABLE LIQUIDS - Category 2Flam. Liq, 3, H226FLAMMABLE LIQUIDS - Category 2STOT RE 2		H335	May cause respiratory irritation.
H373 (hearing organs)May cause damage to organs through prolonged or repeated exposure. (hearing organs)H373 (realing organs)May cause damage to organs through prolonged or repeated exposure if swallowed.H400Very toxic to aquatic life.H411Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H411Acute Tox. 4, H322Acute Tox. 4, H323ACUTE TOXICITY (ormal) - Category 4Acute Tox. 4, H324ACUTE TOXICITY (inhalation) - Category 1Acute Tox. 4, H322ACUTE TOXICITY (inhalation) - Category 1Acute Tox. 4, H324ACUTE TOXICITY (inhalation) - Category 1Aquatic Acute 1, H400AQUATIC HAZARD (ACUTE) - Category 1Aquatic Chronic 1, H410AQUATIC HAZARD (LONG-TERM) - Category 1Aquatic Chronic 2, H411ASPIRATION HAZARD - Category 1Aquatic Chronic 2, H411ASPIRATION HAZARD - Category 1Repeated exposure may cause skin dryness or cracking, Eye Dam, 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1Flam. Gas, H220FLAMMABLE LIQUIDS - Category 3Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 3Flam. Liq. 2, H225SKIN CORROSION/IRRITATION - Category 3Flam. Liq. 2, H235SKIN CORROSION/IRRITATION - Category 3STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs)Acategory 2STOT SE 3, H336STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -			
organs)       organs)         H373 (oral)       May cause damage to organs through prolonged or repeated exposure if swallowed.         H400       Very toxic to aquatic life.         H411       Toxic to aquatic life with long lasting effects.         H411       Toxic to aquatic life with long lasting effects.         H411       Toxic to aquatic life with long lasting effects.         H411       Toxic to aquatic life with long lasting effects.         H411       Acute Tox. 4, H322         Acute Tox. 4, H322       ACUTE TOXICITY (oral) - Category 4         Acute Tox. 4, H322       ACUTE TOXICITY (inhalation) - Category 4         Acute Tox. 4, H322       ACUTE TOXICITY (inhalation) - Category 1         H229       Aquatic Acute 1,       AQUATIC HAZARD (ACUTE) - Category 1         H410       Aquatic Chronic 1,       AQUATIC HAZARD (LONG-TERM) - Category 1         H411       Asp. Tox. 1, H304       ASPIRATION HAZARD - Category 1         Repeated exposure may cause skin dryness or cracking.       Eye Dam. 1, H318         Eve Dam. 1, H318       SERIOUS EVE DAMAGE/ EVE IRRITATION - Category 2         Fiam. Lig. 2, H225       FLAMMABLE GASES - Category 1         Fiam. Lig. 3, H226       FLAMMABLE LIQUIDS - Category 2         Fiam. Lig. 3, H226       FLAMMABLE LIQUIDS - Category 3         Press. Gas Comp.			
H373 (oral) May cause damage to organs through prolonged or repeated exposure if swallowed. H400 Very toxic to aquatic life with long lasting effects. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H411 Acute Tox. 4, H322 ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H322 ACUTE TOXICITY (inhalation) - Category 4 Acute Tox. 4, H322 ACUTE TOXICITY (inhalation) - Category 4 Acute Tox. 4, H322 ACUTE TOXICITY (inhalation) - Category 1 H229 Aquatic Acute 1, AQUATIC HAZARD (ACUTE) - Category 1 H400 Aquatic Chronic 1, H410 Aquatic Chronic 2, H411 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Asp. Tox. 1, H304 Asp. Tox. 1, H304 Asp. Tox. 1, H304 EVENDBE EVED DAMAGE/ EYE IRRITATION - Category 1 EVENDBE EVED DAMAGE/ EYE IRRITATION - Category 1 EVENDBE EVED DAMAGE/ EYE IRRITATION - Category 2 H411 Asp. Tox. 1, H304 EVENDBE EVED DAMAGE/ EYE IRRITATION - Category 2 H411 Asp. Tox. 1, H304 EVENDBE		· •	
H400       Very toxic to aquatic life.         H410       Very toxic to aquatic life with long lasting effects.         Full text of classifications [CLP/GHS]:       Acute Tox. 4, H302         Acute Tox. 4, H312       Acute Tox (Very (oral) - Category 4         Acute Tox. 4, H312       Acute Tox (Very (oral) - Category 4         Acute Tox. 4, H322       Acute Tox (Very (oral) - Category 4         Acute Tox. 4, H322       Acute Tox (Very (oral) - Category 4         Acute Tox. 4, H322       Acute Tox (Very (oral) - Category 4         Acute Tox. 4, H322       Acute Tox (Very (oral) - Category 1         H229       Aquatic Acute 1,         Aquatic Chronic 1,       AQUATIC HAZARD (ACUTE) - Category 1         H410       Aquatic Chronic 2,         Aquatic Chronic 2,       AQUATIC HAZARD (LONG-TERM) - Category 1         H411       Asp. Tox. 1, H304         Eye Dam. 1, H318       SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1         Eye Dam. 1, H318       SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1         Flam. Gas 1, H220       FLAMMABLE LQUIDS - Category 2         Flam. Liq. 2, H255       FLAMMABLE LQUIDS - Category 2         Flam. Liq. 3, H226       FLAMMABLE LQUIDS - Category 2         Flam. Liq. 2, H315       SKIN CORROSION/RRITATION - Category 2         Stort RE 2, H335       SPECIF			
H410Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Cutte Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H322 Acute Tox. 1, H340 Aquatic Chronic 2, H411 Asp. Tox. 1, H344 LEUH066AQUATIC HAZARD (ACUTE) - Category 1 Aquatic Chronic 2, AQUATIC HAZARD (LONG-TERM) - Category 2 Aquatic Chronic 2, H411 Asp. Tox. 1, H344 EVH066AQUATIC HAZARD (CONG-TERM) - Category 1 Repeated exposure may cause skin dryness or cracking. Eve Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 EVE IRRITATION - Category 1 Flam. Gas 1, H220 Flam. Gas 1, H220 Flam. Gas 1, H220 Flam. Liq. 3, H226 Flam. Gas 1, H230 Flam. Liq. 3, H226ASPIRATION HAZARD - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 2 STOT RE 2, H333 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2 STOT RE 2, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (ward) - Category 2 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -			
H411Toxic to aquatic life with long lasting effects.Full text of classifications [CLP/GHS]:Acute Tox. 4, H302 Acute Tox. 4, H324ACUTE TOXICITY (roral) - Category 4 ACUTE TOXICITY (demail) - Category 4 Acute Tox. 4, H324 Acute ToxICITY (inhalation) - Category 4 Acute ToxICITY (inhalation) - Category 1 Acute ToxICITY (inhalation) - Category 1 Aquatic Chronic 2, Aquatic Chronic 2, H411 Aquatic Chronic 2, H411 Aquatic Chronic 2, H411 Asp. Tox. 1, H304 Asp. Tox. 1, H304 BEV Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 Flam. Gas 1, H220 Flam. Gas 1, H220 Flam. Liq. 3, H226 Flam. Seriol SERION/IRRITATION - Category 2 Flam. Seriol SETO TR E 2, H373 SEPCIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2 STOT SE 3, H336 SEPCIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (narotic effects) - Category 3 STOT SE 3, H336 SEPCIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -			
Full text of classifications [CLP/GHS]:       Acute Tox. 4, H302       ACUTE TOXICITY (oral) - Category 4         Acute Tox. 4, H312       ACUTE TOXICITY (oral) - Category 4         Acute Tox. 4, H312       ACUTE TOXICITY (inhalation) - Category 4         Acute Tox. 4, H322       Acute Tox. 1, H32         Acute Tox. 4, H322       Acute ToX. 1, H32         Acute Tox. 4, H322       Acute ToX. 1, H32         Aquatic Acute 1,       Aquatic Chronic 1,         H410       Aquatic Chronic 2,         Aquatic Chronic 2,       H411         Asp. Tox. 1, H304       ASPIRATION HAZARD (LONG-TERM) - Category 1         Beye Inrit. 2, H319       SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1         Eye Inrit. 2, H319       SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1         Flam. Gas. 1, H220       FLAMMABLE LQUIDS - Category 2         Flam. Liq. 3, H226       FLAMMABLE LQUIDS - Category 3         Press. Gas Comp.       GASES UNDER PRESSURE - Compressed gas         Gas. H280       SKIN Inrit. 2, H313         SKIN CORROSION/IRRITATION - Category 2       SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs)         - Category 2       STOT RE 2, H373       SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) -         Category 2       STOT SE 3, H336       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects)			
Acute Tox. 4, H312ACUTE TOXICITY (dermal) - Category 4Acute Tox. 4, H322ACUTE TOXICITY (inhalation) - Category 4Acute Tox. 4, H322ACUTE TOXICITY (inhalation) - Category 4Acrosol 1, H229Aquatic Acute 1,H29Aquatic Chronic 1,H400Aquatic Chronic 2,Aquatic Chronic 2,AQUATIC HAZARD (ACUTE) - Category 1H410Aquatic Chronic 2,Aquatic Chronic 2,AQUATIC HAZARD (LONG-TERM) - Category 2H411Asp. Tox. 1, H304Asp. Tox. 1, H304ASPIRATION HAZARD - Category 1Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Flam. Gas 1, H20FLAMMABLE GASES - Category 1Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 2Flam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 3Press. Gas Composition Gas, H280SKin Irrit. 2, H315SKIN CORROSION/IRRITATION - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs)- Category 2STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (oral) -Category 3STOT SE 3, H336			
Acute Tox. 4, H332ACUTE TOXICITY (inhalation) - Category 4Aerosol 1, H222, H229Aguatic Acute 1, H400AQUATIC HAZARD (ACUTE) - Category 1H400Aquatic Chronic 1, H410AQUATIC HAZARD (LONG-TERM) - Category 1Aquatic Chronic 2, H411AQUATIC HAZARD (LONG-TERM) - Category 2H411Asp. Tox. 1, H304Asp. Tox. 1, H304ASPIRATION HAZARD - Category 1EVH066Repeated exposure may cause skin dryness or cracking. Repeated exposure may cause skin dryness or cracking.Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Flam. Gas 1, H220FLAMMABLE LIQUIDS - Category 2Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 2Flam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 2Flam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 2Striot RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) - Category 2STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (nactor effects) -	Full text of classifications [CLP/GHS] :		
Aerosol 1, H222, H229AEROSOLS - Category 1Aquatic Acute 1, H400AQUATIC HAZARD (ACUTE) - Category 1Aquatic Chronic 1, H410AQUATIC HAZARD (LONG-TERM) - Category 1Aquatic Chronic 2, H411AQUATIC HAZARD (LONG-TERM) - Category 2H411Asp. Tox. 1, H304Aspirot 1, H318ASPIRATION HAZARD - Category 1EVH066Repeated exposure may cause skin dryness or cracking.Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Flam. Gas 1, H220FLAMMABLE GASES - Category 1Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 2Flam. Lig. 3, H226FLAMMABLE LIQUIDS - Category 3Press. Gas Comp.GASES UNDER PRESSURE - Compressed gasGas, H280SKIN CORROSION/IRRITATION - Category 2Stort RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (oral) -(oral)Category 3STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (kespiratory tract irritation) - Category 3STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -			
H229 Aquatic Acute 1, H400 Aquatic Chronic 1, AQUATIC HAZARD (ACUTE) - Category 1 H410 Aquatic Chronic 2, H411 Asp. Tox. 1, H304 EVENDE EVEN			
Aquatic Acute 1, H400AQUATIC HAZARD (ACUTE) - Category 1H400Aquatic Chronic 1, H410AQUATIC HAZARD (LONG-TERM) - Category 1H410Aquatic Chronic 2, H411AQUATIC HAZARD (LONG-TERM) - Category 2H411Asp. Tox. 1, H304ASPIRATION HAZARD - Category 1Repeated exposure may cause skin dryness or cracking.Eye Dam. 1, H318EVH066Repeated exposure may cause skin dryness or cracking.Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1Flam. Gas 1, H220FLAMMABLE GASES - Category 1Flam. Liq. 2, H225FLAMMABLE GASES - Category 2Flam. Lig. 3, H226FLAMMABLE LIQUIDS - Category 3Press. Gas Comp.GASES UNDER PRESSURE - Compressed gasGas, H280Skin Irrit. 2, H315Skin Irrit. 2, H315SKIN CORROSION/IRRITATION - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs)(roal)- Category 2STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (nacrotic effects) -			AEROSOLS - Category 1
H400 Aquatic Chronic 1, H410 Aquatic Chronic 2, H411 Asp. Tox. 1, H304 EUH066 Eye Dam. 1, H318 Eye Dam. 1, H318 Eye Dam. 1, H318 Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 Eye Irrit. 2, H319 Flam. Gas 1, H220 FLAMMABLE GASES - Category 2 Flam. Liq. 2, H225 FLAMMABLE LIQUIDS - Category 2 Flam. Liq. 3, H226 Gas, H220 Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2 STOT RE 2, H373 STOT SE 3, H336 STOT SE 3, H336 STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -			
Aquatic Chronic 1, H410AQUATIC HAZARD (LONG-TERM) - Category 1H410Aquatic Chronic 2, H411Aquatic Chronic 2, H411AQUATIC HAZARD (LONG-TERM) - Category 2H411Asp. Tox. 1, H304Asp. Tox. 1, H304ASPIRATION HAZARD - Category 1EUH066Repeated exposure may cause skin dryness or cracking.Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1Eye Irrit. 2, H319SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Flam. Gas 1, H220FLAMMABLE GASES - Category 1Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 2Flam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 3Press. Gas Comp. Gas, H280GASES UNDER PRESSURE - Compressed gasSkin Irrit. 2, H315SKIN CORROSION/IRRITATION - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (nactor) +STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -			AQUATIC HAZARD (ACUTE) - Category 1
H410 Aquatic Chronic 2, H411 Asp. Tox. 1, H304 EUH066 Eye Dam. 1, H318 Eye Irrit. 2, H319 Flam. Gas 1, H220 Flam. Liq. 2, H226 Gas, H280 Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2 Flam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 3 Press. Gas Comp. Gass H280 Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2 STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2 STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -			
Aquatic Chronic 2, H411AQUATIC HAZARD (LONG-TERM) - Category 2H411Asp. Tox. 1, H304Asp. Tox. 1, H304ASPIRATION HAZARD - Category 1EUH066Repeated exposure may cause skin dryness or cracking.Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1Eye Irrit. 2, H319SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Flam. Gas 1, H220FLAMMABLE GASES - Category 1Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 2Flam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 3Press. Gas Comp.GASES UNDER PRESSURE - Compressed gasGas, H280SKIN CORROSION/IRRITATION - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (oral) -(oral)Category 3STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		Aquatic Chronic 1,	AQUATIC HAZARD (LONG-TERM) - Category 1
H411 Asp. Tox. 1, H304 EUH066 Eye Dam. 1, H318 Eye Dam. 1, H318 Eye Dam. 1, H318 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Flam. Liq. 3, H220 SKIN CORROSION/IRRITATION - Category 2 Flam. Liq. 3, H226 Flam. Liq. 3, H226 Flam. Liq. 3, H226 SKIN CORROSION/IRRITATION - Category 2 STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) (hearing organs) STOT SE 3, H336 STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		H410	
Asp. Tox. 1, H304ASPIRATION HAZARD - Category 1EUH066Repeated exposure may cause skin dryness or cracking.Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1Eye Irrit. 2, H319SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Fiam. Gas 1, H220FLAMMABLE GASES - Category 1Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 3Press. Gas Comp.GASES UNDER PRESSURE - Compressed gasGas, H280Skin Irrit. 2, H315Stort RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs)- Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (oral) -CoralCategory 3STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		Aquatic Chronic 2,	AQUATIC HAZARD (LONG-TERM) - Category 2
EUH066Repeated exposure may cause skin dryness or cracking.Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1Eye Irrit. 2, H319SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Flam. Gas 1, H220FLAMMABLE GASES - Category 1Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 2Flam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 3Press. Gas Comp.GASES UNDER PRESSURE - Compressed gasGas, H280Skin Irrit. 2, H315SKIN CORROSION/IRRITATION - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs)(hearing organs)- Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) -(oral)SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (oral) -Category 2STOT SE 3, H336STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -			
Eye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1Eye Irrit. 2, H319SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Flam. Gas 1, H220FLAMMABLE GASES - Category 1Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 2Flam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 3Press. Gas Comp.GASES UNDER PRESSURE - Compressed gasGas, H280SKIN CORROSION/IRRITATION - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs)- Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) -Coral)STOT SE 3, H336STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		•	<b>e</b> ,
Eye Irrit. 2, H319SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Flam. Gas 1, H220FLAMMABLE GASES - Category 1Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 2Flam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 3Press. Gas Comp.GASES UNDER PRESSURE - Compressed gasGas, H280Skin Irrit. 2, H315SKIN CORROSION/IRRITATION - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs). Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) -(oral)STOT SE 3, H336STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		EUH066	
Fiam. Gas 1, H220FLAMMABLE GASES - Category 1Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 2Flam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 3Press. Gas Comp.GASES UNDER PRESSURE - Compressed gasGas, H280Gas, H280Skin Irrit. 2, H315SKIN CORROSION/IRRITATION - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs). Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) -(oral)Category 2STOT SE 3, H335SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		Eye Dam. 1, H318	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Flam. Liq. 2, H225FLAMMABLE LIQUIDS - Category 2Flam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 3Press. Gas Comp.GASES UNDER PRESSURE - Compressed gasGas, H280Skin Irrit. 2, H315STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs)(hearing organs)- Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) -Category 2STOT RE 2, H373STOT SE 3, H335SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (oral) -Category 3STOT SE 3, H336STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Flam. Liq. 3, H226FLAMMABLE LIQUIDS - Category 3Press. Gas Comp. Gas, H280GASES UNDER PRESSURE - Compressed gasSkin Irrit. 2, H315SKIN CORROSION/IRRITATION - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) - Category 2STOT SE 3, H335SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		Flam. Gas 1, H220	FLAMMABLE GASES - Category 1
Press. Gas Comp. Gas, H280 Skin Irrit. 2, H315 STOT RE 2, H373 (hearing organs) STOT RE 2, H373 STOT SE 3, H336 STOT SE 3, H336 STOT SE 3, H336 GASES UNDER PRESSURE - Compressed gas SKIN CORROSION/IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SFOI TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2 STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (oral) - Category 3 STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -			FLAMMABLE LIQUIDS - Category 2
Gas, H280Skin Irrit. 2, H315SKIN CORROSION/IRRITATION - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) - Category 2STOT SE 3, H335SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (oral) - Category 3STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		Flam. Liq. 3, H226	FLAMMABLE LIQUIDS - Category 3
Skin Irrit. 2, H315SKIN CORROSION/IRRITATION - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2STOT RE 2, H373SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) - Category 2STOT SE 3, H335SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (respiratory tract irritation) - Category 3STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		Press. Gas Comp.	GASES UNDER PRESSURE - Compressed gas
STOT RE 2, H373 (hearing organs)SPECIFIC TARGET ORGAN TOXICITY (RÉPEATED EXPOSURE) (hearing organs) - Category 2STOT RE 2, H373 (oral)SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) - Category 2STOT SE 3, H335SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3STOT SE 3, H336SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		Gas, H280	
<ul> <li>(hearing organs)</li> <li>STOT RE 2, H373</li> <li>(oral)</li> <li>STOT SE 3, H335</li> <li>STOT SE 3, H336</li> <li>STOT SE 3, H336</li> <li>STOT SE 3, H336</li> </ul>		Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT ŘE 2, H373       SPECIFIĆ TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) -         (oral)       Category 2         STOT SE 3, H335       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3         STOT SE 3, H336       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs)
(oral) STOT SE 3, H335 STOT SE 3, H335 STOT SE 3, H336 STOT SE 3, H336 Category 2 STOT SE 3, H336 STOT SE 3, H366 STO		(hearing organs)	- Category 2
STOT SE 3, H335       SPEČIFÍC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3         STOT SE 3, H336       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (oral) -
STOT SE 3, H335       SPEČIFÍC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3         STOT SE 3, H336       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		(oral)	Category 2
irritation) - Category 3 STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -		STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract
STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -			irritation) - Category 3
		STOT SE 3, H336	
			Category 3

## Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
AQUATIC HAZARD (ACUTE) - Category 1	On basis of test data Calculation method Calculation method

#### Notice to reader

Indicates information that has changed from previously issued version.

The information contained in this safety data sheet is based on the present state of knowledge and EU and national legislation. It provides guidance on health, safety and environmental aspects for handling the product in a safe way and should not be construed as any guarantee of the technical preformance or suitability for particular applications.

It is always the duty of the user/employer to ascertain that the work is planned and carried out in accordance with the national regulations.