

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 21.06.2023

Version number 2 (replaces version 1)

Revision: 21.06.2023

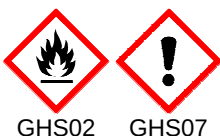
SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** TYTAN PROFESSIONAL Abizol R
- **Article number:** D-5016
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** Primer
- **Application of the substance / the mixture**
Construction chemicals
Anti-moisture agent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
TYTAN PROFESSIONAL
Selena FM S.A.
ul. Legnicka 48 A 54-202 Wrocław, Poland
tel.: +48 71 78 38 290
e-mail: office@selenia.com
www.selenia.com
BDO: 000136566
- **Further information obtainable from:** msds@selenia.com
- **1.4 Emergency telephone number:** European emergency number: 112 (24h)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
-  GHS02 flame
 Flam. Liq. 3 H226 Flammable liquid and vapour.
-  GHS07
 STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
- Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard-determining components of labelling:**
Solvent naphtha (petroleum), light arom.
- **Hazard statements**
H226 Flammable liquid and vapour.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements

- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273 Avoid release to the environment.
- P281 Use personal protective equipment as required.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64742-95-6 EINECS: 265-199-0 Reg.nr.: 01-2119455851-35-XXXX	Solvent naphtha (petroleum), light arom. ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336, EUH066	<25.000%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx	xylene, mixture of isomers ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; ⚠ Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; ⚠ Acute Tox. 4, H332; ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2, H319; ⚠ STOT SE 3, H335	<3.500%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35-xxxx	ethylbenzene ⚠ Flam. Liq. 2, H225; ⚠ STOT RE 2, H373; ⚠ Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332	<1.000%

Additional information:

*Note P used

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Take affected persons out of danger area and lay down.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Wash with plenty of water or water and soap. In cases of sickness seek medical advice (show label if possible).

DO NOT use solvents or thinners.

After eye contact:

Rinse opened eye for several minutes under running water.

If present, remove contact lenses.

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- Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
 - Call for a doctor immediately.
 - Do not induce vomiting.
 - Do not give anything by mouth to an unconscious person.
 - **4.2 Most important symptoms and effects, both acute and delayed**
 - Headache.
 - Dizziness.
 - Nausea.
 - Gastric or intestinal disorders.
 - Contact with skin: May cause irritation and redness.
 - Contact with eyes: May cause irritation, pain and redness of the eyes.
 - After inhalation: inhalation of concentrated product vapours may cause irritation of the mucous membranes of the nose, throat and downstream respiratory tract.
 - **4.3 Indication of any immediate medical attention and special treatment needed**
 - No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
 - Carbon dioxide.
 - Foam.
 - Fire-extinguishing powder.
 - Sand
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **5.2 Special hazards arising from the substance or mixture**
 - Can form explosive gas-air mixtures.
 - Vapours that are lighter than air, spread near the ground surface, accumulate in the lower parts of the rooms and in the hollows of the ground.
 - In case of fire, the following can be released:
 - Carbon monoxide (CO).
 - Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
 - Do not inhale explosion gases or combustion gases.
 - Wear self-contained respiratory protective device.
- **Additional information**
 - Cool endangered receptacles with water spray.
 - Collect contaminated fire fighting water separately. It must not enter the sewage system.
 - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 - Ensure adequate ventilation.
 - Keep away from ignition sources.
 - Wear protective equipment. Keep unprotected persons away.
 - Do not inhale vapour/spray.
 - Keep people at a distance and stay on the windward side.
- **6.2 Environmental precautions:**
 - Do not allow to enter sewers / surface or ground water.
 - Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Send for recovery or disposal in suitable receptacles.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

At work do not eat, drink or smoke.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Protect from frost.

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 8052-42-4 asphalt

WEL Short-term value: 10 mg/m³

Long-term value: 5 mg/m³

CAS: 1330-20-7 xylene, mixture of isomers

WEL Short-term value: 441 mg/m³, 100 ppm

Long-term value: 220 mg/m³, 50 ppm

Sk; BMGV

CAS: 100-41-4 ethylbenzene

WEL Short-term value: 552 mg/m³, 125 ppm

Long-term value: 441 mg/m³, 100 ppm

Sk

Regulatory information WEL: EH40/2020

DNELs

CAS: 64742-95-6 solvent naphtha (petroleum), light arom.

Oral DNEL 11 mg/kg/Tag (General population, consumers)

Dermal DNEL 11 mg/kg/Tag (General population, consumers)

25 mg/kg/Tag (Workers)

Inhalative DNEL 32 mg/m³ (General population, consumers)

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		150 mg/m ³ (Workers)
CAS: 1330-20-7 xylene		
Oral	DNEL	12.5 mg/kg/Tag (General population, consumers)
Dermal	DNEL	125 mg/kg/Tag (General population, consumers)
		212 mg/kg/Tag (Workers)
Inhalative	DNEL	65.3 mg/m ³ (General population, consumers)
		221 mg/m ³ (Workers)
CAS: 100-41-4 ethylbenzene		
Oral	DNEL	1.6 mg/kg/Tag (General population, consumers)
Dermal	DNEL	180 mg/kg/Tag (Workers)
Inhalative	DNEL	15 mg/m ³ (General population, consumers)
		77 mg/m ³ (Workers)

· PNECs

CAS: 1330-20-7 xylene		
(freshwater)		0.327 mg/l (Aquatic Organisms)
(sea water)		0.327 mg/l (Aquatic Organisms)
(freshwater sediments)		12.46 mg/kg (Aquatic Organisms)
(sea water sediments)		12.46 mg/kg (Aquatic Organisms)
(soil)		2.31 mg/kg (Terrestrial Organism)
CAS: 100-41-4 ethylbenzene		
(freshwater)		0.1 mg/l (Aquatic Organisms)
(sea water)		0.01 mg/l (Aquatic Organisms)
(freshwater sediments)		13.7 mg/kg (Aquatic Organisms)
(sea water sediments)		1.37 mg/kg (Aquatic Organisms)
(soil)		2.68 mg/kg (Terrestrial Organism)

· Ingredients with biological limit values:

CAS: 1330-20-7 xylene, mixture of isomers		
BMGV	650 mmol/mol creatinine	
	Medium: urine	
	Sampling time: post shift	
	Parameter: methyl hippuric acid	

· **Regulatory information** BMGV: EH40/2011

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

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:**

Not necessary under normal conditions with sufficient ventilation, required for exposure to high concentrations of product vapours. Use a half mask combined with a type A absorber (up to 20 MAK) or a mask combined with a type A absorber (up to 100 MAK). Select the class of absorber according to the volumetric concentration of the compound: up to 0.1% vol. - A1; 0.1 ÷ 0.5% vol. - A2; 0.5 ÷ 1% vol. - A3. Pay attention to the limited protection time of the absorber. In case of oxygen deficiency (concentration below 17% by volume) or when compound concentration exceeds 1% by volume, use stand-alone or stationary isolation equipment.

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· Hand protection



Protective gloves

EN 374

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

· Material of gloves

Nitrile rubber.

Recommended thickness of the material: ≥ 0.45 mm.

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

· Penetration time of glove material

 ≥ 30 min

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

· Eye/face protection



Tightly sealed goggles

EN 166

· Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

Liquid

· Colour:

Black

· Odour:

Characteristic

· Odour threshold:

Not determined

· Melting point/freezing point:

Not determined

· Boiling point or initial boiling point and boiling range

Not determined

· Flammability

Flammable.

· Lower and upper explosion limit

· Lower:

Not determined

· Upper:

Not determined

· Flash point:

 $>+31$ °C

· Auto-ignition temperature:

Not specified

· Decomposition temperature:

Not determined

· pH

Not determined

· Viscosity:

· Kinematic viscosity at 40 °C

 > 20.5 mm²/s

· Kinematic viscosity

· Dynamic:

Not determined

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· Solubility	
· water:	Insoluble
· Partition coefficient n-octanol/water (log value)	Not determined
· Vapour pressure:	Not determined
· Density and/or relative density	
· Density:	0.95-1.05 g/cm ³
· Relative density	Not determined
· Vapour density	Not determined
· Relative gas density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Liquid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	> 220 °C
· Explosive properties:	Product is not explosive. However, formation of explosive air / vapour mixtures are possible.
· Change in condition	
· Evaporation rate	Not determined
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	
Flammable liquid and vapour.	
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity

No hazardous reactions if the regulations / notes for storage and handling of the product will be respected.

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid**
Handle away from heat, ignition sources, sparks, ignition points, flames, static electricity.
- **10.5 Incompatible materials:**
Strong oxidants.
Acids
- **10.6 Hazardous decomposition products:**
Hazardous decomposition products are not known if the regulations/ guidelines for storage and handling of the product are followed.

SECTION 11: Toxicological information

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

- **LD/LC50 values relevant for classification:**

CAS: 64742-95-6 solvent naphtha (petroleum), light arom.

Oral	LD50	3,592 mg/kg (rat)
Dermal	LD50	>3,160 mg/kg (rab)
Inhalative	LC50/4h	>6,193 mg/l (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
Harmful to aquatic life with long lasting effects.

CAS: 64742-95-6 solvent naphtha (petroleum), light arom.

EC50	3.2 mg/l (daphnia)
LC50	9.2 mg/l (fish)

- **12.2 Persistence and degradability** Not biodegradable.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Toxic to aquatic life with long lasting effects.
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Do not allow to enter surface or ground water.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Assigning a code from the waste catalogue depends on the sector, in which the user operates, as well as on arrangements made between the waste generator and a competent environment protection department.
Dispose of in a safe manner in accordance with local / national regulations.
Substance/mixture as a waste compound brings hazardous properties HP: 3, 5, 14

· European waste catalogue

15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP3	Flammable
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP14	Ecotoxic

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

SECTION 14: Transport information

- | | |
|---|--|
| · 14.1 UN number or ID number | |
| · ADR, IMDG, IATA | UN1993 |
| · 14.2 UN proper shipping name | |
| · ADR | 1993 FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light arom.) |
| · IMDG, IATA | FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light arom.) |
| · 14.3 Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
|  | |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | III |

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· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E, S-E
· Stowage Category	A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Transport category	3
· Tunnel restriction code	D/E
· Remarks:	Product in containers with a capacity of < 450l is not subject to ADR (2.2.3.1.5) - GOODS NEUTRAL, NO ADR MARKING REQUIRED ON GOODS
· IMDG	
· Limited quantities (LQ)	5L
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.), 3, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
1907/2006/CE Regulation, UK REACH
1272/2008/CE Regulation, GB CLP
2020/878/UE Regulation
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
None of the ingredients is listed.
- **Regulation (EC) No 273/2004 on drug precursors**
None of the ingredients is listed.

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

None of the ingredients is listed.

· **REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone- depleting potential)**

· **Other regulations, limitations and prohibitive regulations**

Restrictions on the marketing and use of certain dangerous substances and mixtures (UK REACH Annex XVII):

No restrictions

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

SECTION 16: Other information

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

· **Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· **Version number of previous version:** 1

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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

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

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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