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

· **1.1 Product identifier**

· **Trade name: POINT 98**

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture** Solvent adhesives

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

· **Manufacturer/Supplier:**
UAB TEGRA STATE
· Savanoriu ave 178A, LT-03154 Vilnius, LITHUANIA
· Tel.:+37052661167
· www.tegrastate.eu
· E-mail: info@tegragroup.eu

· **1.4 Emergency telephone number:** European emergency number: 112 (24h)

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SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**


GHS02 flame

Flam. Sol. 1 H228 Flammable solid.


GHS08 health hazard

STOT RE 2 H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.


GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 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**


GHS02 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labelling:**
quartz
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
acetone

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ethyl acetate

· **Hazard statements**
H228 Flammable solid.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.
H412 Harmful to aquatic life with long lasting effects.

· **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.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
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**		
CAS: 128-37-0	2,6-di-tert-butyl-p-cresol	List II

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture: consisting of the following components.

· **Dangerous components:**		
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-xxxx	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	<15%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-xxxx	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	<10%
EC number: 927-510-4 Reg.nr.: 01-2119475515-33-xxxx	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	<10%
EC number: 931-254-9 Reg.nr.: 01-2119484651-34-XXXX	Hydrocarbons, C6, isoalkanes, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	<5%
CAS: 14808-60-7 EINECS: 238-878-4	quartz STOT RE 1, H372	<2%
CAS: 128-37-0 EINECS: 204-881-4 Reg.nr.: 01-2119555270-46-XXXX	2,6-di-tert-butyl-p-cresol Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<0.3%

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

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

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

· **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**
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.

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· **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
If present, remove contact lenses.
· **After swallowing:**
Seek immediate medical advice.
Do not give anything to drink.
Do not induce vomiting.
· **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:** CO2, powder or water spray. Fight larger fire with alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet.
· **5.2 Special hazards arising from the substance or mixture**
Carbon monoxide (CO).
Carbon diooxide (CO2).
Product during a fire will produce dense black smoke.
· **5.3 Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Wear fully protective suit.
· **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
Remove persons from danger area.
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.
· **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers / surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Dispose of the material collected according to regulations.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Avoid formation of flammable vapors in the air.
At work do not eat, drink or smoke.
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
Ensure good ventilation / exhaustion at the workplace.
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
Fumes can combine with air to form an explosive mixture.

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· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Store in a cool location.
Provide ventilation for receptacles.
· **Information about storage in one common storage facility:** Store away from oxidising agents.
· **Further information about storage conditions:**
Store in vertical position in closed original containers.
Protect from heat and direct sunlight.
· **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
CAS: 67-64-1 acetone	
WEL	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm
CAS: 141-78-6 ethyl acetate	
WEL	Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm
CAS: 110-82-7 cyclohexane	
WEL	Short-term value: 1050 mg/m³, 300 ppm Long-term value: 350 mg/m³, 100 ppm
CAS: 110-54-3 n-hexane	
WEL	Long-term value: 72 mg/m³, 20 ppm

· **DNELs**		
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics		
Oral	DNEL	149 mg/kg/Tag (General population, consumers)
Dermal	DNEL	149 mg/kg/Tag (General population, consumers)
		300 mg/kg/Tag (Workers)
Inhalative	DNEL	477 mg/m3 (General population, consumers)
		2,085 mg/m3 (Workers)
Hydrocarbons, C6, isoalkanes, <5% n-hexane		
Oral	DNEL	1,301 mg/kg/Tag (General population, consumers)
Dermal	DNEL	1,377 mg/kg/Tag (General population, consumers)
		13,964 mg/kg/Tag (Workers)
Inhalative	DNEL	1,137 mg/m3 (General population, consumers)
		5,306 mg/m3 (Workers)
CAS: 128-37-0 2,6-di-tert-butyl-p-cresol		
Oral	DNEL	0.25 mg/kg/Tag (General population, consumers)
Dermal	DNEL	0.25 mg/kg/Tag (General population, consumers)
		0.5 mg/kg/Tag (Workers)
Inhalative	DNEL	0.86 mg/m3 (General population, consumers)
		0.86 mg/m3 (Workers)
CAS: 67-64-1 acetone		
Oral	DNEL	62 mg/kg/Tag (General population, consumers)
Dermal	DNEL	62 mg/kg/Tag (General population, consumers)
		186 mg/kg/Tag (Workers)
Inhalative	DNEL	200 mg/m3 (General population, consumers)
		1,210 mg/m3 (Workers)
CAS: 141-78-6 ethyl acetate		
Oral	DNEL	4.5 mg/kg/Tag (General population, consumers)
Dermal	DNEL	37 mg/kg/Tag (General population, consumers)

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Inhalative	DNEL	63 mg/kg/Tag (Workers) 367 mg/m3 (General population, consumers) 734 mg/m3 (Workers)

· **PNECs**

CAS: 128-37-0 2,6-di-tert-butyl-p-cresol	
(freshwater)	0.000199 mg/l
(sea water)	0.00002 mg/l
(freshwater sediments)	0.0996 mg/kg
(sea water sediments)	0.00996 mg/kg
(soil)	0.04769 mg/kg
CAS: 67-64-1 acetone	
(freshwater)	10.6 mg/l (Aquatic Organisms)
(sea water)	1.06 mg/l (Aquatic Organisms)
(freshwater sediments)	30.4 mg/kg (Aquatic Organisms)
(sea water sediments)	3.04 mg/kg (Aquatic Organisms)
(soil)	29.5 mg/kg (Terrestrial Organism)
CAS: 141-78-6 ethyl acetate	
(freshwater)	0.24 mg/l (Aquatic Organisms)
(sea water)	0.024 mg/l (Aquatic Organisms)
(freshwater sediments)	1.15 mg/kg (Aquatic Organisms)
(sea water sediments)	0.115 mg/kg (Aquatic Organisms)
(soil)	0.148 mg/kg (Terrestrial Organism)

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see item 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Immediately remove all soiled and contaminated clothing.
Do not eat or drink while working.
Do not breathe vapours.
· **Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation.
Recommended:
Filter FFP2/FFP3
· **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, NBR
Recommended thickness of the material: ≥ 0.38 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 th e 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**
≥ 480 min
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye/face protection**

Safety glasses

EN 166

· **Body protection:** Protective work clothing.

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SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Colour:**	Beige
· **Odour:**	Solvent-like
· **Odour threshold:**	Not determined
· **Melting point/freezing point:**	Not determined
· **Boiling point or initial boiling point and boiling range**	Not determined
· **Flammability**	Flammable solid.
· **Lower and upper explosion limit**	
· **Lower:**	Not determined
· **Upper:**	Not determined
· **Flash point:**	<60 °C
· **Decomposition temperature:**	Not determined
· **pH**	Not applicable
· **Viscosity:**	
· **Kinematic viscosity at 40 °C**	>20.5 mm2/s
· **Dynamic:**	Not determined
· **Solubility**	
· **water:**	Insoluble
· **Partition coefficient n-octanol/water (log value)**	Not determined
· **Vapour pressure:**	Not applicable
· **Density and/or relative density**	
· **Density:**	1.17 ± 0.1 g/cm³
· **Relative density**	Not determined
· **Vapour density**	Not applicable
· **Particle characteristics**	See item 3.

· **9.2 Other information**	
· **Appearance:**	
· **Form:**	Paste
· **Important information on protection of health and environment, and on safety.**	
· **Explosive properties:**	Not determined
· **Change in condition**	
· **Evaporation rate**	Not applicable

· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Void
· **Flammable solids**	
Flammable solid.	
· **Self-reactive substances and mixtures**	Void

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· **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.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid**
Handle away from heat, ignition sources, sparks, ignition points, flames, static electricity.
· **10.5 Incompatible materials:**
Strong acids and bases.
Strong oxidants.
· **10.6 Hazardous decomposition products:**
Carbon monoxide (CO).
Carbon dioxide (CO2).

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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.
· **Skin corrosion/irritation**
Causes skin irritation.
· **Serious eye damage/irritation**
Causes serious eye irritation.
· **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 drowsiness or dizziness.
· **STOT-repeated exposure**
May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **Additional toxicological information:**
· **Toxicokinetics, metabolism and distribution** No data available.
· **Acute effects (acute toxicity, irritation and corrosivity)** No data available.
· **Sensitisation** Based on available data, the classification criteria are not met.
· **Repeated dose toxicity**
Prolonged exposure to vapors may cause neurotoxicity. Repeated or prolonged exposure may cause drying, cracking and chronic inflammation of the skin.
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**		
CAS: 128-37-0	2,6-di-tert-butyl-p-cresol	List II

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SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	
EC50	3 mg/l (daphnia)
LC50	13.4 mg/l (fish)
CAS: 128-37-0 2,6-di-tert-butyl-p-cresol	
EC50	0.61 mg/l (daphnia)
LC50	0.42 mg/l (algae)

· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
· **12.7 Other adverse effects**
· **Remark:** Harmful to fish
· **Additional ecological information:**
· **General notes:**
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Harmful to aquatic organisms

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Dispose of in a safe manner in accordance with local / national regulations.
Do not allow to enter surface or ground water.
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.
Substance/mixture as a waste compound brings hazardous properties HP: 3, 4, 5.14
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**	
15 01 10*	packaging containing residues of or contaminated by hazardous substances

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

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SECTION 14: Transport information

· **14.1 UN number or ID number**	
· **ADR, IMDG, IATA**	UN3175
· **14.2 UN proper shipping name**	
· **ADR, IMDG, IATA**	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (HEPTANES)

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· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**

· **Class**	4.1 Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives
· **Label**	4.1
· **14.4 Packing group**	
· **ADR, IMDG, IATA**	II
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	Harmful to aquatic life.
· **14.6 Special precautions for user**	Warning: Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives
· **Hazard identification number (Kemler code):**	40
· **EMS Number:**	F-A,S-I
· **Stowage Category**	B
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **Transport/Additional information:**	
· **ADR**	
· **Transport category**	2
· **Tunnel restriction code**	E
· **UN "Model Regulation":**	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (HEPTANES), 4.1, II

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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
This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. Please see https://ec.europa.eu/home-affairs/sites/homeaffairs/files/what-we-do/policies/crisis-and-terrorism/explosives/explosives-precursors/docs/list_of_competent_authorities_and_national_contact_points_en.pdf.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **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**

CAS: 67-64-1	acetone

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· **Regulation (EC) No 273/2004 on drug precursors**

CAS: 67-64-1	acetone	3

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

CAS: 67-64-1	acetone	3

· **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.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
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)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Sol. 1: Flammable solids – Category 1
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 1: Specific target organ toxicity (repeated exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic 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