Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.11.2014

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

1.1 Product identifier: XFH3012

X

Trade name: <u>Hardener for Premium 2K Filler 5:1</u>

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

Identified uses: professional use. Uses advised against: do-it-yourself

Application of the substance / the mixture Hardening agent/ Curing agent

1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: ReCorp s.r.o.

Jána Hollého 699/55 Michalovce 071 01 ICO: 47 503 181 Tel.:+421 907 319 730

Further information obtainable from:info@trixxal.com

1.4 Emergency telephone number:

Národné toxikologické a informačné centrum FNsP Akadémia L. Dérera Limbová 5, SK – 833 05 Bratislava + 421 254 774 166 (24 hours per day) Fax: + 421 254 774 605

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008

GHS02	g to Regulation (EC) No 1272/2008
Flam. Liq. 3 H226	Flammable liquid and vapour.
GHS08	
Resp. Sens. 1 H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
GHS07	
Eye Irrit. 2 H319	Causes serious eye irritation.
Skin Sens. 1 H317	May cause an allergic skin reaction.
STOT SE 3 H335-H3	36 May cause respiratory irritation. May cause drowsiness or dizziness.
Classification according	g to Directive 67/548/EEC or Directive 1999/45/EC
Xn; Harmful	
R20: Harmful by	inhalation.
Xn; Sensitising	
R42/43: May cause s	ensitisation by inhalation and skin contact.
R10-66: Flammable.	Repeated exposure may cause skin dryness or cracking.
2.2 Label elements	
	Regulation (EC) No 1272/2008
The product is classified	d and labelled according to the CLP regulation. (Contd. on page 2)

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Hazard pictograms



Signal word Danger

Hazard-determining components of labelling:

hexamethylene diisocyanate homopolymer n-butyl acetate toluene-diisocyanate aromatic polyisocyanate tosyl isocyanate

Hazard statements

H226 Flammable liquid and vapour.

- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 In case of inadequate ventilation wear respiratory protection.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking. Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment PBT: Not applicable. **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:	
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Dangerous componentis.		
CAS: 123-86-4	<i>n-butyl acetate</i>	25-50%
EINECS: 204-658-1	R10-66-67	
Reg.nr.: 01-2119485493-29	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	1
CAS: 28182-81-2	hexamethylene diisocyanate homopolymer	10-25%
NLP: 500-060-2	🗙 Xn R20; 🗙 Xi R37; 🗙 Xi R43	
Reg.nr.: 01-2119485796-17	Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	1
CAS: 53317-61-6	aromatic polyisocyanate	10-25%
NLP: 500-120-8	🗙 Xi R36; 🗙 Xi R43	
	(1) Eye Irrit. 2, H319; Skin Sens. 1, H317	1
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	(Cont.	d. of page 2
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	5-15%
EINECS: 203-603-9	R10	
Reg.nr.: 01-2119475791-29	🚸 Flam. Liq. 3, H226	
CAS: 1330-20-7	xylene	1-5%
EINECS: 215-535-7	🗙 Xn R20/21; 🗙 Xi R38	
Reg.nr.: 01-2119488216-32	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	
CAS: 100-41-4	ethylbenzene	0.1-1%
EINECS: 202-849-4	🗙 Xn R20-48/20-65; 🔥 F R11	
	♦ Flam. Liq. 2, H225; ♦ STOT RE 2, H373; Asp. Tox. 1, H304; ♦ Acute Tox. 4, H332	
CAS: 4083-64-1	tosyl isocyanate	< 0.5%
EINECS: 223-810-8	🗙 Xi R36/37/38; 🗙 Xn R42	
Reg.nr.: 01-2119980050-47	<u>R1</u> 4	
	Resp. Sens. 1, H334; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
CAS: 26471-62-5	toluene-diisocyanate	< 0.5%
EINECS: 247-722-4	😡 T+ R26; 🗙 Xn R40; 🗙 Xn R42/43; 🗙 Xi R36/37/38	
Reg.nr.: 01-2119454791-34	<u>R52/53</u>	
	Carc. Cat. 3	
	♦ Acute Tox. 1, H330; ♦ Resp. Sens. 1, H334; Carc. 2, H351; ♦ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412	

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

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

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out of danger area and lay down.

After inhalation:

Supply fresh air and to be sure call for a doctor.

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

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. *After swallowing:* Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire. Hydrogen cyanide (HCN)

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Isocyanate vapors. Carbon monoxide and carbon dioxide **5.3 Advice for firefighters Protective equipment:** Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. **Additional information** Cool endangered receptacles with water spray. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Do not flush with water or aqueous cleansing agents
6.4 Reference to other sections
See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. Do not eat, drink, smoke or sniff while working. Do not allow to enter sewers/ surface or ground water. Information about fire - and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Use explosion-proof apparatus / fittings and spark-proof tools. Fumes can combine with air to form an explosive mixture. 7.2 Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: Store only in the original receptacle. Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidising agents. Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight. Store receptacle in a well ventilated area. 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

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Ingredients w	ith limit values that require monitoring at the workplace:	
123-86-4 n-bu	tyl acetate	
WEL (Great B	ritain) Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm	
108-65-6 2-m	ethoxy-1-methylethyl acetate	
WEL (Great B	ritain) Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk Short-term value: 550 mg/m ³ , 100 ppm	
	Long-term value: 275 mg/m ³ , 50 ppm Skin	
1330-20-7 xyl		
WEL (Great B		
	Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV	
IOELV (EU)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin	
100-41-4 ethy	lbenzene	
	ritain) Short-term value: 552 mg/m ³ , 125 ppm Long-term value: 441 mg/m ³ , 100 ppm Sk	
IOELV (EU)	Short-term value: 884 mg/m ³ , 200 ppm Long-term value: 442 mg/m ³ , 100 ppm Skin	
4083-64-1 tos	yl isocyanate	
WEL (Great B	ritain) Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO	
26471-62-5 to	luene-diisocyanate	
WEL (Great B	ritain) Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO	
DNELs	!	
123-86-4 n-bu	tyl acetate	
	IEL 7 mg/kg bw/day (long-term - systemic effects, workers)	
	IEL 48 mg/m3 (long-term - systemic effects, workers)	
	examethylene diisocyanate homopolymer	
	IEL 1 mg/m3 (acute - local effects, workers)	
	0.5 mg/m3 (long-term - local effects, workers)	
108-65-6 2-m	ethoxy-1-methylethyl acetate	
	IEL 153.5 mg/kg bw/day (long-term - systemic effects, workers)	
	IEL 275 mg/m3 (long-term - systemic effects, workers)	
PNECs		
123-86-4 n-bu	tvl acetate	
	g/l (freshwater environment)	
	mg/l (marine environment)	
	g/l (intermittent releases)	
10.50 m	g/r (mermanena reteuses)	ontd. on pag

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	0.981 mg/kg (freshwater sediment environment)	
	0.0981 mg/kg (marine sediment environment)	
	0.0903 mg/kg (soil)	
	35.6 mg/l (sewage treatment plants)	
28182	-81-2 hexamethylene diisocyanate homopolymer	
PNEC	0.127 mg/l (freshwater environment)	
	0.0127 mg/l (marine environment)	
	1.27 mg/l (intermittent releases)	
	266700 mg/kg (freshwater sediment environment)	
	26670 mg/kg (marine sediment environment)	
	53182 mg/kg (soil)	
	38.3 mg/l (sewage treatment plants)	
108-65	5-6 2-methoxy-1-methylethyl acetate	
PNEC	0.635 mg/l (freshwater environment)	
	0.0635 mg/l (marine environment)	
	6.35 mg/l (intermittent releases)	
	3.29 mg/kg (freshwater sediment environment)	
	0.329 mg/kg (marine sediment environment)	
	0.29 mg/kg (soil)	
	100 mg/l (sewage treatment plants)	
Ingrea	lients with biological limit values:	
1330-2	20-7 xylene	
BMGV	(Great Britain) 650 mmol/mol creatinine	
	Medium: urine	
	Sampling time: post shift	
	Parameter: methyl hippuric acid onal information: The lists valid during the making were used as basis.	

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

8.2 Exposure controls Personal protective equipment:

General protective and hygienic measures: Ensure good ventilation/exhaustion at the workplace. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Keep ignition sources away - Do not smoke. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. Do not eat or drink while working. **Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Filter A/P2

Use suitable respiratory protective device in case of insufficient ventilation. **Protection of hands:**



Protective gloves

Check the permeability prior to each anewed use of the glove.

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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 (EN 374).

Material of gloves

Butyl rubber, BR Nitrile rubber, NBR **PVA** gloves

Recommended thickness of the material: $\geq 0,7$ mm

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

Penetration time of glove material

Value for the permeation: Level $6 \ge 480$ *min.*

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

Eye protection:



Tightly sealed goggles

Body protection: Protective work clothing

9.1 Information on basic physical a	and chemical properties
General Information	
Appearance: Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	24 °C
	Undetermined.
Flash point:	24 °C
Flammability (solid, gaseous):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	1.0 Vol %
Upper:	15.0 Vol %
Vapour pressure at 20 °C:	10.7 hPa
Density at 20 °C:	$1 g/cm^3$
Vapour density	Not determined.
Evaporation rate	Not determined.

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Trade name: Hardener for Premium 2K Filler 5:1

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Solubility in / Miscibility with		
water:	Reacts with water.	
Partition coefficient (n-octanol	/water): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

10.1 Reactivity No decomposition if used according to specifications.

10.2 Chemical stability No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Reacts with acids, alkalis and oxidising agents.

Reacts with water.

Reacts with alkali, amines and strong acids.

Reacts with oxidising agents.

Fumes can combine with air to form an explosive mixture.

10.4 Conditions to avoid Protect from heat and direct sunlight.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50	values rele	vant for classification:
123-86-4 n	n-butyl ace	tate
Oral	LD50	10760 mg/kg (rat)
Dermal	LD50	>14000 mg/kg (rabbit)
Inhalative	LC50/4 h	23.4 mg/l (rat)
28182-81-	2 hexamet	hylene diisocyanate homopolymer
Oral	LD50	> 2500 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)
53317-61-	6 aromatic	polyisocyanate
Oral	LD50	>5000 mg/kg (rat)
108-65-62	e-methoxy-	1-methylethyl acetate
Oral	LD50	8532 mg/kg (rat)
Inhalative	LC50/6 h	4345 mg/l (rat)
1330-20-7	xylene	
Oral	LD50	>2000 mg/kg (-)
Dermal	LD50	1466.67 mg/kg (-)
Inhalative	LD50	12.09 mg/kg (-)
100-41-4 е	thylbenzer	10
Oral	LD50	3500 mg/kg (rat)
Dermal	LD50	17800 mg/kg (rabbit)
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26471-62-3	5 toluene-a	liisocyanate
Oral	LD50	5110 mg/kg (rat)
Dermal	LD50	>9400 mg/kg (rabbit)
Inhalative	LC50/4 h	0.107 mg/l (rat)
	LD50/1h	0.47 mg/l (rat)

Primary irritant effect: on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitisation:

Sensitisation possible through inhalation.

Sensitisation possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful

Irritant

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

123-86-4 n-butyl acetate

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

28182-81-2 hexamethylene diisocyanate homopolymer

Biodegradation 1 % (not readily biodegradable) (OECD 31 D, 28 d, aerobic)

12.3 Bioaccumulative potential

123-86-4 n-butyl acetate

BCF 15.3 (-)

log Kow 2.3 (-)

28182-81-2 hexamethylene diisocyanate homopolymer

BCF 3.2 (-)

log Kow 9.81 (-)

12.4 Mobility in soil No further relevant information available. **Additional ecological information:**

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. 12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

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

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Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information	
14.1 UN-Number ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name ADR	1263 PAINT RELATED MATERIAL
IMDG, IATA 14.3 Transport hazard class(es)	PAINT RELATED MATERIAL
ADR, IMDG, IATA	
Class Label	3 Flammable liquids. 3
14.4 Packing group ADR, IMDG, IATA	111
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Warning: Flammable liquids.
Danger code (Kemler): EMS Number:	30 F-E, <u>S-E</u>
14.7 Transport in bulk according to Anne MARPOL73/78 and the IBC Code	e x II of Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ)	5L
Transport category Tunnel restriction code	3 D/E
UN "Model Regulation":	UN1263, PAINT RELATED MATERIAL, 3, III

SECTION 15: Regulatory information

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

National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed. Employment restrictions concerning pregnant and lactating women must be observed.

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

SECTION 16: Other information

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

Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.

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11217	(Contd. of page 1
H317 H319	May cause an allergic skin reaction.
H319 H330	Causes serious eye irritation. Fatal if inhaled.
H332	Harmful if inhaled.
нзз <i>2</i> Н334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 H335	May cause anergy of asimila symptoms of breaking afficiences if innatea. May cause respiratory irritation.
H335 H336	May cause respiratory inflation. May cause drowsiness or dizziness.
H350 H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H373 H412	Harmful to aquatic life with long lasting effects.
R10	Flammable.
R11	Highly flammable.
R14	Reacts violently with water.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R26	Very toxic by inhalation.
R36	Irritating to eyes.
	8 Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R42	May cause sensitisation by inhalation.
R42/43	May cause sensitisation by inhalation and skin contact.
R43	May cause sensitisation by skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
	tions and acronyms:
	rd européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage
	us Goods by Road) ernational Maritime Code for Dangerous Goods
	national Air Transport Association
	ally Harmonised System of Classification and Labelling of Chemicals
	uropean Inventory of Existing Commercial Chemical Substances
	uropean List of Notified Chemical Substances
	nical Abstracts Service (division of the American Chemical Society) rived No-Effect Level (REACH)
	dicted No-Effect Concentration (REACH)
	al concentration, 50 percent
	al dose, 50 percent
	stent, Bioaccumulative and Toxic Persistent and very Bioaccumulative
	2: Flammable liquids, Hazard Category 2
Flam. Liq.	3: Flammable liquids, Hazard Category 3
	1: Acute toxicity, Hazard Category 1
Acute Lox	4: Acute toxicity, Hazard Category 4 2: Skin corrosion/irritation, Hazard Category 2
Skin Irrit. 2	: Serious eve damage/eve irritation, Hazard Category 2
Skin Irrit. 2 Eye Irrit. 2	: Serious eye damage/eye irritation, Hazard Category 2 1: Sensitisation - Respirat., Hazard Category 1
Skin Irrit. 2 Eye Irrit. 2 Resp. Sens. Skin Sens.	1: Sensitisation - Respirat., Hazard Category 1 1: Sensitisation - Skin, Hazard Category 1
Skin Irrit. 2 Eye Irrit. 2 Resp. Sens. Skin Sens. Carc. 2: Ce	1: Sensitisation - Respirat., Hazard Category 1 1: Sensitisation - Skin, Hazard Category 1 arcinogenicity, Hazard Category 2
Skin Irrit. 2 Eye Irrit. 2 Resp. Sens. Skin Sens. Carc. 2: Ca STOT SE 3	1: Sensitisation - Respirat., Hazard Category 1 1: Sensitisation - Skin, Hazard Category 1 arcinogenicity, Hazard Category 2 : Specific target organ toxicity - Single exposure, Hazard Category 3
Skin Irrit. 2 Eye Irrit. 2 Resp. Sens. Skin Sens. Carc. 2: Co STOT SE 3 STOT RE 2	1: Sensitisation - Respirat., Hazard Category 1 1: Sensitisation - Skin, Hazard Category 1 arcinogenicity, Hazard Category 2
Skin Irrit. 2 Eye Irrit. 2 Resp. Sens. Skin Sens. Carc. 2: Ca STOT SE 3 STOT RE 2 Asp. Tox. 1 Aquatic Ch	1: Sensitisation - Respirat., Hazard Category 1 1: Sensitisation - Skin, Hazard Category 1 arcinogenicity, Hazard Category 2 : Specific target organ toxicity - Single exposure, Hazard Category 3 : Specific target organ toxicity - Repeated exposure, Hazard Category 2