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*



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· 1.1 Product ide	ntifier	
· Trade name: <u>C</u>	OLORWORK	KS HIGH TEMP BLACK 400 ML
No further relev • Sector of Use SU21 Consum SU22 Professo • Product catego • Process catego PROC7 Indus PROC11 Non	entified uses of vant information onal uses: Pu ional uses: Pu ry PC9a Co ry trial spraying industrial spr	ate households / general public / consumers ublic domain (administration, education, entertainment, services, craftsmen) atings and paints, thinners, paint removers
 I.3 Details of the second secon	Supplier: 7 B.V. 2 7olvega 1s 1 694400	f the safety data sheet
e-mail info@nl	motipdupli.co	
e-mail info@nl. • Further inform	motipdupli.co ation obtaina	om able from: Department Product Safety umber: +31 (0)561-694400 (09:00h - 17:00h)
e-mail info@nl. • Further inform	motipdupli.co ation obtaina	able from: Department Product Safety
e-mail info@nl. • Further inform • 1.4 Emergency	motipdupli.co a ation obtaina telephone nu	able from: Department Product Safety
e-mail info@nl. • Further inform • 1.4 Emergency SECTION 2 • 2.1 Classificati	motipdupli.co pation obtaina telephone nu : Hazards i on of the subs	able from: Department Product Safety umber: +31 (0)561-694400 (09:00h - 17:00h) dentification stance or mixture
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e-mail info@nl. • Further inform • 1.4 Emergency SECTION 2 • 2.1 Classificati • Classification of GHS Aerosol 1	motipdupli.co ation obtaina telephone nu : Hazards i on of the subs according to 1 02 flame	able from: Department Product Safety umber: +31 (0)561-694400 (09:00h - 17:00h) dentification stance or mixture Regulation (EC) No 1272/2008 229 Extremely flammable aerosol. Pressurised container: May burst if heated.
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e-mail info@nl. • Further inform • 1.4 Emergency SECTION 2 • 2.1 Classification of • Classification of • GHS Aerosol 1 • Aquatic Chroni • GHS	motipdupli.co ation obtaina telephone nu : Hazards i on of the sub- according to 1 02 flame H222-H2 09 environme c 2 H411	able from: Department Product Safety umber: +31 (0)561-694400 (09:00h - 17:00h) dentification stance or mixture Regulation (EC) No 1272/2008 229 Extremely flammable aerosol. Pressurised container: May burst if heated. ent Toxic to aquatic life with long lasting effects.
e-mail info@nl. • Further inform • 1.4 Emergency SECTION 2 • 2.1 Classification of • Classification of • Classification of • GHS Aerosol 1 • Aquatic Chroni • GHS Skin Irrit. 2	motipdupli.co pation obtaina telephone nu : Hazards i on of the subs according to 1 02 flame H222-H2 09 environme c 2 H411 07 H315	able from: Department Product Safety umber: +31 (0)561-694400 (09:00h - 17:00h) Cdentification stance or mixture Regulation (EC) No 1272/2008 P29 Extremely flammable aerosol. Pressurised container: May burst if heated. ent Toxic to aquatic life with long lasting effects. Causes skin irritation.
e-mail info@nl. • Further inform • 1.4 Emergency SECTION 2 • 2.1 Classification of • Classification of • GHS Aerosol 1 • Aquatic Chroni • GHS	motipdupli.co ation obtaina telephone nu : Hazards i on of the sub- according to 1 02 flame H222-H2 09 environme c 2 H411	able from: Department Product Safety umber: +31 (0)561-694400 (09:00h - 17:00h) dentification stance or mixture Regulation (EC) No 1272/2008 229 Extremely flammable aerosol. Pressurised container: May burst if heated. ent Toxic to aquatic life with long lasting effects.

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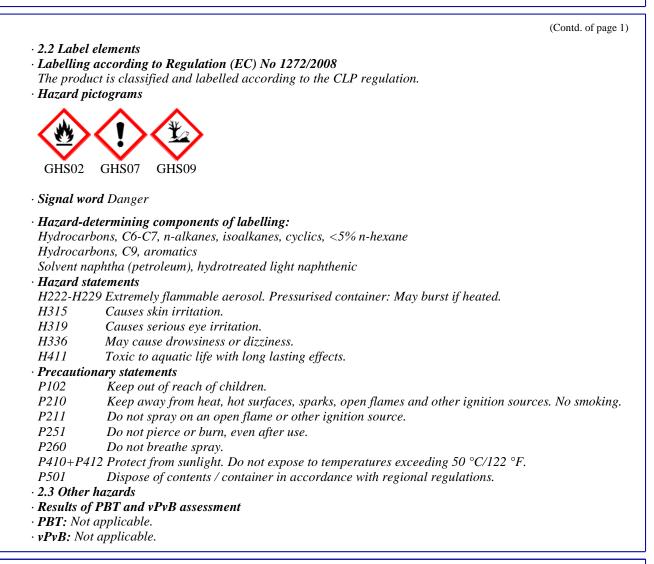
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SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

· Dungerous components.		
EC number: 921-024-6	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5%	25-<50%
Reg.nr.: 01-2119475514-35	n-hexane	
	🚸 Flam. Liq. 2, H225	
	🗞 Asp. Tox. 1, H304	
	Aquatic Chronic 2, H411	
	🚯 Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 74-98-6	propane	12.5-<20%
EINECS: 200-827-9	🚸 Flam. Gas 1, H220	
Index number: 601-003-00-5	Press. Gas C, H280	
Reg.nr.: 01-2119486944-21		
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CAS: 106-97-8	butane	Contd. of pag 12.5-<20
EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	🚸 Flam. Gas 1, H220 Press. Gas C, H280	
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane Flam. Gas 1, H220 Press. Gas C, H280	10-<12.5
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32	xylene, mixture of isomers Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	5-<10%
CAS: 12001-26-2 EC number: 601-648-2	Mica substance with a Community workplace exposure limit	2.5-<5
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9, aromatics Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336	2.5-<59
CAS: 1333-86-4 EINECS: 215-609-9 Reg.nr.: 01-2119384822-32-0032	Carbon black substance with a Community workplace exposure limit	<2.5%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 Reg.nr.: 01-2119489370-35	ethylbenzene Flam. Liq. 2, H225 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332 Aquatic Chronic 3, H412	<2.5%
EC number: 926-605-8 Reg.nr.: 01-2119486291-36-xxxx	Solvent naphtha (petroleum), hydrotreated light naphthenic Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336	<2.5%
CAS: 162303-51-7 NLP: 500-687-1	Polybutyl titanate Flam. Liq. 3, H226 Eye Dam. 1, H318 Skin Irrit. 2, H315	<2.5%

• 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

- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:

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- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor 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.

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SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- \cdot 5.2 Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- 5.3 Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: 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 contaminated material as waste according to item 13. 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 Ensure good ventilation/exhaustion at the workplace.

• Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

- Keep ignition sources away Do not smoke.
- Keep respiratory protective device available.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- **Requirements to be met by storerooms and receptacles:** Observe official regulations on storing packagings with pressurised containers.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- · Storage class: 2 B
- 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.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

106-97-8 butane

WEL Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

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1330-	-20-7 xylene, mixture of isomers
WEL	Short-term value: 441 mg/m ³ , 100 ppm
	Long-term value: 220 mg/m³, 50 ppm
	Sk; BMGV
1200	1-26-2 Mica
WEL	Long-term value: $10*0.8**mg/m^3$
	*total inhalable **respirable
1333-	-86-4 Carbon black
WEL	Short-term value: 7 mg/m ³
	Long-term value: 3.5 mg/m ³
100-4	11-4 ethylbenzene
WEL	Short-term value: 552 mg/m ³ , 125 ppm
	Long-term value: 441 mg/m ³ , 100 ppm
	Sk
Ingre	dients with biological limit values:
1330-	-20-7 xylene, mixture of isomers
BMG	V 650 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: methyl hippuric acid

· 8.2 Exposure controls

· Personal protective equipment:

• General protective and hygienic measures: 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. Avoid contact with the eyes.

· 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.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

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

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

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Page 6/11 Safety data sheet according to 1907/2006/EC, Article 31 Printing date 07.03.2018 Version number 96 Trade name: COLORWORKS HIGH TEMP BLACK 400 ML · Eye protection: Tightly sealed goggles SECTION 9: Physical and chemical properties · 9.1 Information on basic physical and chemical properties · General Information · Appearance: Form: Aerosol Colour: Different according to colouring · Odour: Solvent-like · Odour threshold: Not determined. · pH-value: Not determined. · Change in condition Undetermined. *Melting point/freezing point:* Initial boiling point and boiling range: Not applicable, as aerosol. · Flash point: $<0 \ ^{\circ}C \ (< 32 \ ^{\circ}F)$ Not applicable, as aerosol.

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	Not applicable, as acrosol.
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	>200 °C (>392 °F)
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	<i>Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.</i>
· Explosion limits:	
Lower:	0.6 Vol %
Upper:	10.9 Vol %
· Vapour pressure at 20 °C (68 °F):	8 hPa (6 mm Hg)
• Density at 20 •C (68 •F):	0.7 g/cm ³ (5.84 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	87.8 %
· EU-VOC:	619.0 g/l
• EU-VOC in %:	87.80 %
\cdot VOC (EC)	
	619.0 g/l
· VOC-EU%	87.80 %

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Trade name: COLORWORKS HIGH TEMP BLACK 400 ML

· Solids content: • 9.2 Other information

15.4 % No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 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 No further relevant information available.

• 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

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

LD/LC50 values	relevant for	classification:
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Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral LD50 >5,840 mg/kg (rat) LD50 >2,920 mg/kg (rab) Dermal

Inhalative |LC50/4h| > 25.2 mg/l (rat)

1330-20-7 xylene, mixture of isomers

Oral	LD50	3,523 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	29,000 mg/m3 (rat)

· Primary irritant effect:

· 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.

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

· 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 Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

•	12.1	Toxicity
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· Aquatic toxicity:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

- EC50/48 h 3 mg/l (daphnia magna)
- EC50 / 72 h 30-100 mg/l (algae)

LC50 / 96 h 11.4 mg/l (fish)

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1330-20-7 xylene, mixture of isomers

EC50/48 h 7.4 mg/l (daphnia magna)

LC50 / 96 h 13.5 mg/l (fish)

- · 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.
- Ecotoxical effects:
- Remark: Toxic for fish
- \cdot Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water 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. Also poisonous for fish and plankton in water bodies.

- *Toxic for aquatic organisms*
- · 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 hazardous substances

15 01 04 metallic packaging

· Uncleaned packaging:

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· Recommendation: Non contaminated packagings may be recycled.

- 14.1 UN-Number - ADR, IMDG, IATA	UN1950
14.2 UN proper shipping name	
ADR	1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
IMDG	AEROSOLS (Naphtha (petroleum), hydrotreated light,
	Solvent naphtha (petroleum), light arom.), MARINE
	POLLUTANT
IATA	AEROSOLS, flammable
ADR	
\vee \vee	

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Trade name: COLORWORKS HIGH TEMP BLACK 400 ML

Label	2.1
IMDG	
Class	2.1
Label	2.1
IATA	
2	
Class	2.1
Label	2.1
14.4 Packing group	
ADR, IMDG, IATA	not regulated
14.5 Environmental hazards:	
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Gases.
Danger code (Kemler):	- F D S U
EMS Number: Stowage Code	F-D,S-U SW1 Protected from sources of heat.
Slowage Coue	SW11 Foreclea from sources of near. SW22 For AEROSOLS with a maximum capacity of 1 litr
	Category A. For AEROSOLS with a maximum capacity of 1 lith
	Category B. For WASTE AEROSOLS: Category C, Clean
	of living quarters.
Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litr
	Segregation as for class 9. Stow "separated from" class
	except for division 1.4. For AEROSOLS with a capacity
	above 1 litre: Segregation as for the appropriate
	subdivision of class 2. For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of class 2
14.7 Transport in bulk according to Anno Marpol and the IBC Code	ex II of Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
	Code: E0
Transport actors	Not permitted as Excepted Quantity
Transport category Tunnel restriction code	2 D
IMDG	
Limited quantities (LQ) Excepted quantities (EQ)	IL Code: E0
Encopica quantities (EQ)	Not permitted as Excepted Quantity
	$1,01$ permitted as $\Delta neepied Onumber i$
	Code: E0

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· UN "Model Regulation":

UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category
- P3a FLAMMABLE AEROSOLS
- E2 Hazardous to the Aquatic Environment
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 40
- · National regulations:
- · Other regulations, limitations and prohibitive regulations

• Substances of very high concern (SVHC) according to REACH, Article 57

- None of the ingredients is listed.
- 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

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- 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.

H412 Harmful to aquatic life with long lasting effects.

· Department issuing SDS: R&D legislation and regulatory advisor

· Contact: Mr. K. Smedeman

Abbreviations and acronyms:
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 ICAO: International Civil Aviation Organisation
 ADR: Accord européen sur le transport 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 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: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent	
PBT: Persistent, Bioaccumulative and Toxic	
SVHC: Substances of Very High Concern	
vPvB: very Persistent and very Bioaccumulative	
Flam. Gas 1: Flammable gases – Category 1	
Aerosol 1: Aerosols – Category 1	
Press. Gas C: Gases under pressure – Compressed gas	
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 Dam. 1: Serious eye damage/eye irritation – Category 1	
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	
• * Data compared to the previous version altered.	

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