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SECTION 1: Identification of the substance or mixture and of the supplier

· **Product identifier**

· **Trade name: *Power Lock***
· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture** Abrasive and polishing compound

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Menzerna polishing compounds GmbH & Co. KG
Industriestraße 25
76470 ÖTIGHEIM
GERMANY
sds@menzerna.com
Tel.: +49 (0) 7222 9157-0
www.menzerna.com

New Zealand Distributor:
Wyatt Machine Tools Rupes (NZ) Limited
388 Church Street, Penrose, Auckland, New Zealand
Ph (09) 525 1000

· **Further information obtainable from:** info@wyatt.co.nz
· **Emergency telephone number:** 0800 992 881 (0800WYATT1)

SECTION 2: Hazards identification

· **Classification of the substance or mixture**


flame

Flam. Liq. 3	H226 Flammable liquid and vapour.


health hazard

STOT RE 2	H373 May cause damage to the central nervous system through prolonged or repeated exposure.
Acute Tox. 5	H333 May be harmful if inhaled.
Skin Corr. 3	H316 Causes mild skin irritation.
Aquatic Acute 3	H402 Harmful to aquatic life.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

· **Label elements**
· **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).

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· **Hazard pictograms**

GHS02 GHS08

· **Signal word** Warning

· **Hazard-determining components of labelling:**
Stoddard solvent
methanol
· **Hazard statements**
Flammable liquid and vapour.
May be harmful if inhaled.
Causes mild skin irritation.
May cause damage to the central nervous system through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.
· **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Use explosion-proof electrical/ventilating/lighting equipment.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Dispose of contents/container in accordance with local/regional/national/international regulations.
· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/Information on ingredients

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

· **Dangerous components:**		
CAS: 64742-47-8 EC number: 927-676-8	Hydrocarbons, C12-C16, isoalkanes, cyclics,<2% aromatics Asp. Tox. 1, H304; Flam. Liq. 4, H227	10-25%
CAS: 64742-48-9 EC number: 920-901-0	Naphtha (petroleum), hydrotreated heavy(Nota P, -R45, R46, <0.1% benzene) Asp. Tox. 1, H304; Flam. Liq. 4, H227; Acute Tox. 5, H313	2.5-10%

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CAS: 71750-80-6 EC number: 615-337-4	Siloxanes and silicones, di-Me,[[[3-[(2-aminoethyl)amino]propyl] dimethoxysilyl]oxy]-terminated Skin Irrit. 2, H315; Eye Irritation 2A, H319	≥2.5-<10%
CAS: 8052-41-3 EINECS: 232-489-3	Stoddard solvent Flam. Liq. 3, H226; Acute Tox. 3, H331; STOT RE 1, H372; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Acute Tox. 5, H313; Aquatic Chronic 3, H412	≥2.5-<10%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; Acute Tox. 5, H333	≥0-<10%
CAS: 63148-62-9 Polymer	Siloxanes and silicones, dimethyl Acute Tox. 5, H313	≤2.5%
CAS: 63148-62-9 Polymer	Siloxanes and Silicones, dimethyl Acute Tox. 5, H313	≤2.5%
CAS: 69430-37-1 Polymer	Dimethyl Siloxane, HO-term Rxn Methyltrimethoxysilane & Aminoethylaminopropyltrimethoxysilane Flam. Liq. 2, H225; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥0.25-<2.5%
CAS: 67-56-1 EINECS: 200-659-6	methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370	≥0-≤2.5%

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

SECTION 4: First aid measures

· **Description of first aid measures**
· **General information:**
Immediately remove any clothing soiled by the product.
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; consult doctor in case of complaints.
· **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:**
If symptoms persist consult doctor.
Rinse out mouth and then drink plenty of water.
· **Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
If swallowed or in case of vomiting, danger of entering the lungs.

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Treat according to symptoms.

SECTION 5: Fire fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:** Water spray, foam, dry powder or carbon dioxide.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
During heating or in case of fire poisonous gases are produced.
· **Advice for firefighters**
· **Protective equipment:**
Mouth respiratory protective device.
Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Keep unnecessary personnel away. Ensure adequate ventilation. Use personal protection recommended in section 8.
· **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.
· **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.
Ensure adequate ventilation.
· **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

· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
No special precautions are necessary if used correctly.
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.

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Protect against electrostatic charges.
Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store in a well-ventilated place. Storage temperature: between 5°C and 30°C.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
None.
Keep container tightly sealed.
· **Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

CAS: 1332-58-7 Kaolin (10-25%)	
WES	Long-term value: 10 2* mg/m³ *respirable dust
CAS: 67-63-0 propan-2-ol (≥2.5-<10%)	
WES	Short-term value: 1230 mg/m³, 500 ppm Long-term value: 983 mg/m³, 400 ppm
CAS: 67-56-1 methanol (≤2.5%)	
WES	Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm skin, bio

· **DNELs**

CAS: 67-63-0 propan-2-ol		
Oral	DNEL, general population, oral	26 mg/kg KG/d (general population)
Dermal	DNEL, general population, dermal	319 mg/kg KG/d (general population)
	DNEL, worker, dermal	888 mg/kg KG/d (worker)
Inhalative	DNEL, general population, inhalativ	89 mg/m3 (general population)
	DNEL, worker, inhalativ	500 mg/m3 (worker)

· **PNECs**

CAS: 67-63-0 propan-2-ol	
sewage treatment plant	2,251 mg/l
freshwater	140,900 µg/l
seawater	140.9 mg/l

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sediment	552 mg/kg
soil	28 mg/kg
PNEC (Sekundärvergiftung)	160 mg/kg Nahrung
CAS: 67-56-1 methanol	
sewage treatment plant	100 mg/l
freshwater	20,800 µg/l
seawater	2.08 mg/l
sediment (freshwater)	77 mg/kg
Sediment (seawater)	7.7 mg/kg
soil	100 mg/kg

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

· **Exposure controls**
· **Appropriate engineering controls** No further data; see item 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
Wash hands before breaks and at the end of work.
Store protective clothing separately.
· **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.
Not necessary if room is well-ventilated.
· **Hand protection**

Protective gloves

Normally one does not come into direct contact with the product during use. At the risk of entanglement of protective glove in rotating or linear moving machine parts protective gloves should not be worn.
Recommendation for short-term exposure: Use chemical resistant 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**
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.
Nitrile rubber, NBR

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· **Penetration time of glove material**
≥ 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/face protection**
Safety glasses

Tightly sealed goggles

· **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Physical state**	Fluid
· **Colour:**	Green
· **Odour:**	Solvent-like
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	Undetermined.
· **Boiling point or initial boiling point and boiling range**	>100 °C (>212 °F)
· **Flammability**	Not applicable.
· **Lower and upper explosion limit**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	48 °C (118.4 °F) (DIN EN ISO 3679 Verf. B)
· **Decomposition temperature:**	Not determined.
· **pH at 20 °C (68 °F)**	7-10
· **Viscosity:**	
· **Kinematic viscosity at 40 °C (104 °F)**	>20.5 mm²/s
· **Dynamic:**	Not determined.
· **Solubility**	
· **water:**	Not miscible or difficult to mix.
· **Partition coefficient n-octanol/water (log value)**	Not determined.
· **Vapour pressure:**	Not determined.
· **Density and/or relative density**	
· **Density at 20 °C (68 °F):**	1 g/cm³ (8.35 lbs/gal)
· **Relative density**	Not determined.
· **Vapour density**	Not determined.

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· **Other information**	
· **Appearance:**	
· **Form:**	Viscous
· **Important information on protection of health and environment, and on safety.**	
· **Auto-ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Solvent content:**	
· **VOC (EC)**	10.29-10.93 %
· **Change in condition**	
· **Softening point/range**	
· **Oxidising properties**	Not determined.
· **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

· **Reactivity** None under normal conditions.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.

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

SECTION 11: Toxicological information

· **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** May be harmful if inhaled.

· **LD/LC50 values relevant for classification:**		
CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy(Nota P, -R45, R46, <0.1% benzene)		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rab)
CAS: 8052-41-3 Stoddard solvent		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rab)
CAS: 67-63-0 propan-2-ol		
Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	13,900 mg/kg (rabbit)
Inhalative	LC50/4 h	>25 mg/l (rat)
CAS: 63148-62-9 Siloxanes and silicones, dimethyl		
Oral	LD50	>15,400 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
CAS: 63148-62-9 Siloxanes and Silicones, dimethyl		
Oral	LD50	>48,500 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
CAS: 67-56-1 methanol		
Oral	LD50	340 mg/kg (humans) (Schätzwert)
		5,628 mg/kg (rat)
	LD50	29-237 ml (humans) (Schätzwert)
Dermal	LD50	15,800 mg/kg (rabbit)

· **Skin corrosion/irritation** Causes mild skin irritation.
· **STOT-repeated exposure**
May cause damage to the central nervous system through prolonged or repeated exposure.
· **Information on other hazards**

· **Endocrine disrupting properties**		
CAS: 540-97-6	Dodecamethylcyclohexasiloxane	List II
CAS: 541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	List II
CAS: 556-67-2	octamethylcyclotetrasiloxane	List II, III

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SECTION 12: Ecological information

· **Toxicity**

· **Aquatic toxicity:**	
CAS: 8052-41-3 Stoddard solvent	
LC50/96h	3.5 mg/l (Chaetogammarus marinus)
	2.5 mg/l (Oncorhynchus mykiss)
NOEC (96h)	0.16 mg/l (Pseudokirchneriella subcapitata)
NOEC (21d)	0.28 mg/l (daphnia)
NOEC (112d)	<1.4 mg/l (Oncorhynchus mykiss)
ErC50 (96h)	1.2 mg/l (Pseudokirchneriella subcapitata)
CAS: 67-63-0 propan-2-ol	
LC50/24h	9,714 mg/l (daphnia)
LC50/96h	9,640 mg/l (pimephales promelas)
EC50	>100 mg/l (bacteria)
EC50 (72h)	>100 mg/l (Scenedesmus subspicatus)
CAS: 63148-62-9 Siloxanes and silicones, dimethyl	
EC50 (48h)	>200 mg/l (daphnia)
CAS: 63148-62-9 Siloxanes and Silicones, dimethyl	
EC50	>2,000 mg/l /14 d (al)
EC50 (48h)	>100 mg/l (daphnia)
NOEC	91 mg/l /33 d (Cyprinodon variegatus)
CAS: 69430-37-1 Dimethyl Siloxane, HO-term Rxn Methyltrimethoxysilane & Aminoethylaminopropyltrimethoxysilane	
EC50 (48h)	>0.1-1 mg/l
CAS: 67-56-1 methanol	
LC50/48h	>10,000 mg/l (daphnia)
LC50/96h	15,400 mg/l (Lepomis macrochirus)
ErC50 (96h)	22,000 mg/l (Pseudokirchneriella subcapitata)

· **Persistence and degradability**	
CAS: 8052-41-3 Stoddard solvent	
degradability	>63 %
CAS: 67-63-0 propan-2-ol	
degradability	53 % (consumption of oxygene (time 5d))

· **Bioaccumulative potential**	
CAS: 8052-41-3 Stoddard solvent	
log KOW	5.25 /gemessen

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CAS: 67-63-0 propan-2-ol	
log KOW	0.05
CAS: 67-56-1 methanol	
BCF	<100 <10 /gemessen (Leuciscus idus)

· **Mobility in soil** No further relevant information available.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
· **Other adverse effects**
· **Remark:** Harmful to fish
· **Additional ecological information:**
· **General notes:**
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
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

SECTION 13: Disposal considerations

· **Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
· **Waste disposal key:**
Waste codes should be determined in consultation with the customer, supplier and disposal.

· **Uncleaned packaging:**
· **Recommendation:**
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

· **UN number or ID number**	
· **ADR/RID, ADN, IMDG, IATA**	Void
· **UN proper shipping name**	
· **ADR/RID, ADN, IMDG, IATA**	Void
· **Transport hazard class(es)**	
· **ADR/RID, ADN, IMDG, IATA**	
· **Class**	Void

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· **Packing group** · **ADR/RID, IMDG, IATA**	Void
· **Environmental hazards:**	Not applicable.
· **Special precautions for user**	Not applicable.
· **Maritime transport in bulk according to IMO instruments**	Not applicable.
· **UN "Model Regulation":**	Void

*
SECTION 15: Regulatory information

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

· **New Zealand Inventory of Chemicals**
All ingredients are listed.

· **HSNO Approval numbers**		
CAS: 67-63-0	propan-2-ol	HSR001180
CAS: 63148-62-9	Siloxanes and Silicones, dimethyl	HSR003036
CAS: 67-56-1	methanol	HSR001186

· **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
· **Hazard pictograms**

GHS02 GHS08

· **Signal word** Warning

· **Hazard-determining components of labelling:**
Stoddard solvent
methanol
· **Hazard statements**
Flammable liquid and vapour.
May be harmful if inhaled.
Causes mild skin irritation.
May cause damage to the central nervous system through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.
· **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Use explosion-proof electrical/ventilating/lighting equipment.
Do not breathe dust/fume/gas/mist/vapours/spray.

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Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The details of the safety data sheet apply only to the product described in the context of its intended use. The information is based on the current state of our knowledge. It is intended to describe our product in view of the risks posed by it and the relevant precautionary measures. It does not represent an assurance of product and quality characteristics. The information in this safety data sheet is required under Article 31 and Annex II of Regulation EC (VO) no. 1907/2006.

· **Relevant phrases**
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H227 Combustible liquid.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H333 May be harmful if inhaled.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs.
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.
H412 Harmful to aquatic life with long lasting effects.

· **Department issuing SDS:** Product and Environmental Safety Department
· **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
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)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Flam. Liq. 4: Flammable liquids – Category 4
Acute Tox. 5: Acute toxicity – Category 5
Acute Tox. 3: Acute toxicity – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Skin Corr. 3: Skin corrosion/irritation – Category 3
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
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 Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· *** Data compared to the previous version altered.**