

Wheel Clean Pro 1 I

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
First edition: 30/05/2013 Last revision: 21/12/2022 Supersedes version of: 14/01/2022 Version: 5.1

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

1.1. Product identifier

Product form : Mixture
Name : Wheel Clean Pro 1 I
Product number : 04.1166.0270
Type of product : Preparation

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Use of the substance or preparation : Very effective wheel cleaner for all steel, alloy and high quality chrome rims. Removes stubborn dirt such as burnt-on brake dust, oil and road grime.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

PCS Innotec International NV
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hse@innotec.eu

Distributor:
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Unit 25 Glenmore Business Park,
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UK - SP2 7GL Salisbury, Wiltshire
Great Britain
T.: +44 (0) 1722411744
info@innotecworld.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):
BIG : +32 (0) 14 58 45 45

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) no 1272/2008 (CLP)

Skin Corr. 1B H314

Full text of hazard classes, H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger
Contains : Sodium hydroxide; disodium metasilicate
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.
Precautionary statements (CLP) : P260 - Do not breathe vapours.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

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Rinse skin with water/shower.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER, a doctor.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
2-butoxyethanol	CAS number: 111-76-2 EINECS / ELINCS number: 203-905-0 EC Index-No.: 603-014-00-0 REACH-no: 01-2119475108-36	≤ 4	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315
Disodium metasilicate	CAS number: 6834-92-0 EINECS / ELINCS number: 229-912-9 EC Index-No.: 014-010-00-8 REACH-no: 01-2119449811-37	≤ 3	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335
Sodium carbonate	CAS number: 497-19-8 EINECS / ELINCS number: 207-838-8 EC Index-No.: 011-005-00-2 REACH-no: 01-2119485498-19	≤ 2	Eye Irrit. 2, H319
Sodium lauryl ether sulphate	CAS number: 68891-38-3 EINECS / ELINCS number: 500-234-8 REACH-no: 01-2119488639-16	≤ 2	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Sodium hydroxide	CAS number: 1310-73-2 EINECS / ELINCS number: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27	$\leq 0,9$	Met. Corr. 1, H290 Skin Corr. 1A, H314

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Sodium hydroxide	CAS number: 1310-73-2 EINECS / ELINCS number: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27	($0,5 \leq C < 2$) Eye Irrit. 2, H319 ($0,5 \leq C < 2$) Skin Irrit. 2, H315 ($2 \leq C < 5$) Skin Corr. 1B, H314 ($5 \leq C \leq 100$) Skin Corr. 1A, H314

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Get medical advice/attention if you feel unwell.

Inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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Skin contact	: Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention.
Eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately consult a doctor/medical service.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact	: Causes severe skin burns and eye damage.
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4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Water spray. Dry powder. Alcohol resistant foam.
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5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear suitable protective clothing. Keep upwind.
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6.1.1. For non-emergency personnel

Protective equipment	: Refer to protective measures listed in Sections 7 and 8.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. This product and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Provide adequate ventilation.

6.4. Reference to other sections

Stable in use and storage conditions as recommended in item 7. Concerning personal protective equipment to use, see section 8. Concerning disposal/elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Protect from sunlight. Store in a well-ventilated place. Store in a dry place. Keep away from ignition sources.
Information on mixed storage	: acids.
Technical condition(s)	: The floor of the depot should be impermeable and designed to form a water-tight basin. Store in a well-ventilated place.
Special rules on packaging	: Keep out of frost. Keep only in original container.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

2-butoxyethanol (111-76-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-Butoxyethanol
IOEL TWA	98 mg/m ³
	20 ppm
IOEL STEL	246 mg/m ³
	50 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom - Occupational Exposure Limits	
Local name	2-Butoxyethanol
WEL TWA (OEL TWA)	123 mg/m ³
	25 ppm
WEL STEL (OEL STEL)	246 mg/m ³
	50 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
United Kingdom - Biological limit values	
Local name	2-Butoxyethanol
BMGV	240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Sodium hydroxide (1310-73-2)	
United Kingdom - Occupational Exposure Limits	
Local name	Sodium hydroxide
WEL TWA (OEL TWA)	2 mg/m ³
WEL STEL (OEL STEL)	2 mg/m ³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

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8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses. In case of inadequate ventilation wear respiratory protection.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Wear closed safety glasses

8.2.2.2. Skin protection

Skin protection:

Wear suitable protective clothing

Hand protection:

Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: Nitrile rubber. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV. Recommended: filter type ABEK

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue-green.
Appearance	: Liquid.
Odour	: Pungent, irritating.
Odour threshold	: Not available
Melting point/melting range	: 0 °C
Freezing point	: Not available
Boiling point/range	: 100 – 173 °C
Flammability	: Not available
Explosive limits	: 1,13 – 10,6 vol %
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: 230 °C
Decomposition temperature	: Not available
pH	: 12,5
Viscosity, kinematic	: 94 mm²/s (20 °C)
Viscosity, dynamic	: 100 mPa·s (20 °C)
Solubility	: Water: completely soluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 2332 Pa (20 °C)

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Vapour pressure at 20 °C	: Not available
Density	: Not available
Relative density (water = 1)	: 1,066 (20°C)
Vapour density	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosion limits	: 1,13 – 10,6 vol %
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9.2.2. Other safety characteristics

Evaporation rate	: 0,3 (n-BuAc = 1)
V.O.C. (V.O.S.)	: 34,112 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

In use, may form flammable/explosive vapour-air mixture.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Extremely high or low temperatures. Direct sunlight.

10.5. Incompatible materials

acids.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

2-butoxyethanol (111-76-2)	
LD50/oral/rat	1200 mg/kg
LD50/dermal/rabbit	1100 mg/kg
LC50/inhalation/4h/rat	11 mg/l
Sodium carbonate (497-19-8)	
LD50/oral/rat	4090 mg/kg
LD50/dermal/rabbit	≥ 5000 mg/kg
LC50/inhalation/4h/rat	≥ 50 mg/l
Sodium hydroxide (1310-73-2)	
LD50/oral/rat	≥ 5000 mg/kg
LD50/dermal/rabbit	≥ 5000 mg/kg
LC50 inhalation rat	> 50 mg/l
Disodium metasilicate (6834-92-0)	
LD50/oral/rat	1152 mg/kg
LD50/dermal/rabbit	≥ 5000 mg/kg
LC50/inhalation/4h/rat	≥ 50 mg/l
Sodium lauryl ether sulphate (68891-38-3)	
LD50/oral/rat	≥ 5000 mg/kg
LD50/dermal/rabbit	≥ 5000 mg/kg
LC50/inhalation/4h/rat	≥ 50 mg/l/4h

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Skin corrosion/irritation	: Causes severe skin burns. pH: 12,5
Serious eye damage/irritation	: Assumed to cause serious eye damage pH: 12,5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

Disodium metasilicate (6834-92-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	94 mm ² /s (20°C)

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

2-butoxyethanol (111-76-2)	
LC50/96h/fish	1474 mg/l
EC50/48h/daphnia magna	1550 mg/l
EC50 72h - Algae [1]	911 mg/l
NOEC (chronic)	> 100 mg/l 72h
NOEC chronic algae	280 mg/l 72h

Sodium carbonate (497-19-8)	
LC50/96h/fish	300 mg/l
EC50/48h/daphnia magna	200 – 227 mg/l

Sodium hydroxide (1310-73-2)	
LC50/96h/fish	35 – 189 mg/kg
EC50/48h/daphnia magna	33 – 450 mg/l

Disodium metasilicate (6834-92-0)	
LC50/96h/fish	210 mg/l (Brachydanio rerio)
EC50/48h/daphnia magna	1700 mg/l
EC50 72h - Algae [1]	207 mg/l

Sodium lauryl ether sulphate (68891-38-3)	
LC50/96h/fish	7,1 mg/l
EC50/48h/daphnia magna	7,2 mg/l
EC50 - Other aquatic organisms [1]	7,5 mg/l Bacteria
EC50 72h - Algae [1]	27 mg/l
NOEC (acute)	0,93 mg/l
NOEC chronic algae	0,93 mg/l

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12.2. Persistence and degradability

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Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste / unused products	: Avoid release to the environment. Should not be landfilled with household waste.
European List of Waste (LoW, EC 2000/532)	: 20 01 15* - alkalines 15 01 02 - plastic packaging

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

14.1. UN number or ID number

UN-No. (ADR)	: UN 1719
UN-No. (IMDG)	: UN 1719
UN-No. (IATA)	: UN 1719

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: CAUSTIC ALKALI LIQUID, N.O.S.
Proper Shipping Name (IMDG)	: CAUSTIC ALKALI LIQUID, N.O.S.
Proper Shipping Name (IATA)	: Caustic alkali liquid, n.o.s.
Transport document description (ADR)	: UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (Mixture with sodiumhydroxide), 8, III, (E)
Transport document description (IMDG)	: UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (Mixture with sodiumhydroxide), 8, III
Transport document description (IATA)	: UN 1719 Caustic alkali liquid, n.o.s. (Mixture with sodiumhydroxide), 8, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: 8
Danger labels (ADR)	: 8



IMDG

Transport hazard class(es) (IMDG)	: 8
Danger labels (IMDG)	: 8



IATA

Transport hazard class(es) (IATA)	: 8
Danger labels (IATA)	: 8

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14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III

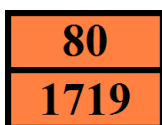
14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Further information : No supplementary information available

14.6. Special precautions for user

Overland transport

Limited quantities (ADR) : 5I
Hazard identification number (Kemler No.) : 80
Orange plates :



Tunnel restriction code : E
EAC code : 2R

Transport by sea

EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B
Properties and observations (IMDG) : Corrosive to aluminium, zinc and tin. Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. Causes burns to skin, eyes and mucous membranes.

Air transport

PCA max net quantity (IATA) : 5L

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU Regulations

Ingredients according to the Regulation (EC) 648/2004 on detergents : < 5% anionic surfactants, < 5% phosphates

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

V.O.C. (V.O.S.) : 34,112 g/l

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Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Last revision		
	Supersedes		
2.3			
8.1			
8.2			
9.1			
9.2			
11.2.			
12.6			
12.7			
15			
16			

Abbreviations and acronyms:

	ACGIH = American Conference of Governmental Industrial Hygienists
	ADR = Accord européen sur le transport des marchandises dangereuses par Route
	ATE = Acute Toxicity Estimate
	CAS = Chemical Abstracts Service
	CLP = Classification, labelling and packaging
	CSR = Chemical Safety Report
	DNEL = Derived No-Effect Level
	DMEL = Derived Minimal Effect Level
	DPD = Dangerous Preparation Directive
	DSD = Dangerous Substance Directive
	EINECS/ELINCS = European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	HTP = Haitallisiksi tunnetut pitoisuudet
	IATA = International Air Transport Association
	ICAO = International Civil Aviation Organization
	IMDG = International Maritime Code for Dangerous Goods
	IOELV = Indicative Occupational Exposure Limit Value (EU)

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Abbreviations and acronyms:	
	LC50 = Lethal concentration, 50 percent
	LD50 = Lethal dose, 50 percent
	LEL = Lower Explosion Limit
	MAK = Maximale Arbeitsplatzkonzentrationen
	MAL-kode = Måleteknisk Arbejdshygienisk Luftbehov
	N.O.S. = Not Otherwise Specified
	NDS = Najwyższe Dopuszczalne Stężenie
	NDSch = Najwyższe Dopuszczalne Stężenie Chwilowe
	OEL = Occupational Exposure Limits
	PBT = Persistent, bioaccumulative and toxic
	PNEC = Predicted No-Effect Concentration
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
	STEL = Short term exposure limit
	STOT RE = specific target organ toxicity repeated exposure
	SVHC = Substance of Very High Concern
	STOT SE = specific target organ toxicity single exposure
	TLV = Threshold Limit Value
	TRGS = Technischen Regeln für Gefahrstoffe
	TWA = time weighted average
	UEL = Upper Explosion Limit
	VLA-EC = valores límite ambientales para la exposición de corta duración
	VLA-ED = valores límite ambientales para la exposición diaria
	VLE = Valeur Limite d'exposition
	VME = Valeur Limite de Moyenne d'exposition
	VOC = Volatile Organic Compounds
	vPvB = very Persistent and very Bioaccumulative
	WGK = Wassergefährdungsklasse

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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Full text of H- and EUH-statements:

H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Disclaimer with regard to REACH:

The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

Disclaimer:

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.