

SAFETY DATA SHEET



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

1.1 Product identifier

Product name: LITHO WASH 8090

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

Identified uses: Cleaning agent

Uses advised against: Reserved for industrial and professional use.

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Aspiration Hazard

Category 1

H304: May be fatal if swallowed and enters airways.

Environmental Hazards

Chronic hazards to the aquatic environment

Category 3

H412: Harmful to aquatic life with longlasting effects.

2.2 Label Elements

Contains: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
Hydrocarbons, C10, aromatics, <1% naphthalene



Signal Words: Danger

Hazard Statement(s): H304: May be fatal if swallowed and enters airways.
H412: Harmful to aquatic life with long lasting effects.
EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement

Prevention: P273: Avoid release to the environment.

Response: P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331: Do NOT induce vomiting.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Supplemental label information

Contains: mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothi azolin-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

2.3 Other hazards

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Hydrocarbons, C10-C13, n-alkanes,	10 - <20%			01-2119457273-39-XXXX	No data available.	

cyclics, <2% aromatics						
Hydrocarbons, C10, aromatics, <1% naphthalene	5 - <10%			01-2119463583-34-XXXX	No data available.	
phosphoric acid...%, orthophosphoric acid...%	1 - <3%	7664-38-2	231-633-2	01-2119485924-24-0007	No data available.	#

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Classification	Notes
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	Asp. Tox.: 1: H304	
Hydrocarbons, C10, aromatics, <1% naphthalene	Asp. Tox.: 1: H304 STOT SE: 3: H336 Aquatic Chronic: 2: H411	
phosphoric acid...%, orthophosphoric acid...%	Skin Corr.: 1B: H314 Eye Dam.: 1: H318	Note B

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Move to fresh air.

Eye contact: Rinse immediately with plenty of water.

Skin Contact: Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

4.2 Most important symptoms and effects, both acute and delayed: See section 11 of the SDS for additional information on health hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards:	No data available.
Treatment:	Skin and/or eye contact. Flush thoroughly with water for at least 15 minutes. Get medical assistance.

SECTION 5: Firefighting measures

General Fire Hazards:	No unusual fire or explosion hazards noted.
5.1 Extinguishing media	
Suitable extinguishing media:	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
5.2 Special hazards arising from the substance or mixture:	During fire, gases hazardous to health may be formed.
5.3 Advice for firefighters	
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Put on protective equipment before entering danger area.
6.2 Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
6.3 Methods and material for containment and cleaning up:	Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.
6.4 Reference to other sections:	For personal protection see section 8. For waste disposal, see section 13 of the SDS.
	Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:	
7.2 Conditions for safe storage, including any incompatibilities:	Store locked up

7.3 Specific end use(s):

Reserved for industrial and professional use.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	type	Exposure Limit Values	Source
phosphoric acid...%, orthophosphoric acid...%	STEL	2 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	TWA	1 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	STEL	2 mg/m3	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009)
	TWA	1 mg/m3	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009)

Biological Limit Values

None.

DNEL-Values

Critical component	type	Route of Exposure		Remarks
phosphoric acid...%, orthophosphoric acid...%	Workers	Inhalation	2.92 mg/m3	Repeated dose toxicity
	Workers	Inhalation	2 mg/m3	
	Workers	Inhalation	1 mg/m3	Repeated dose toxicity
	General population	Inhalation	0.73 mg/m3	Repeated dose toxicity
	General population	Inhalation	124 mg/m3	Repeated dose toxicity
	General population	Dermal	357000 mg/kg	Repeated dose toxicity
naphthalene	General population	Oral	35.7 mg/kg	Repeated dose toxicity
	Workers	Inhalation	420 mg/m3	Repeated dose toxicity
	Workers	Dermal	595000 mg/kg	Repeated dose toxicity
	Workers	Inhalation	25 mg/m3	Irritating to respiratory system.
	Workers	Inhalation	25 mg/m3	Repeated dose toxicity
	Workers	Dermal	3.57 mg/kg	Repeated dose toxicity

PNEC-Values

Critical component	Environmental compartment		Remarks
naphthalene	Marine sediments	0.065 mg/kg	
	Aquatic (intermit. releases)	0.0295 mg/l	
	Predator	111.11 mg/kg	
	freshwater sediment	1.516 mg/kg	
	Aquatic (freshwater)	0.176 mg/l	
	Sewage treatment plant	5000 mg/l	
	Aquatic (marine water)	0.018 mg/l	
	soil	0.654 mg/kg	
	freshwater sediment	67.2 µg/kg	
	Aquatic (freshwater)	2.4 µg/l	

	Aquatic (marine water)	2.4 µg/l	
	soil	53.3 µg/kg	
	Marine sediments	67.2 µg/kg	
	Sewage treatment plant	2.9 mg/l	
	Aquatic (intermit. releases)	20 µg/l	

8.2 Exposure controls

Appropriate Engineering Controls: Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Follow training instructions when handling this material.

Eye/face protection: Safety goggles. EN 166.

Skin protection

Hand Protection: Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials: nitrile rubber (thickness ≥ 0.38 mm, breakthrough time > 480 min) or neoprene (thickness ≥ 0.65 mm, breakthrough time > 240 min). For intermittent splash protection corresponding gloves with breakthrough times > 60 min can be used. Avoid gloves made of: butyl rubber. Avoid gloves made of: natural latex.

Other: Safety clothes : long sleeved clothing EN13688

Respiratory Protection: In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls: Do not empty into drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	Liquid (emulsion)
Color:	White.
Odor:	Weak aromati
Odor Threshold:	No data available

pH:	2.2
Freezing point:	< 0 °C (Literature.)
Boiling Point:	100 - 200 °C (Literature.)
Flash Point:	> 62 °C (Literature.)
Evaporation Rate:	No data available
Flammability (solid, gas):	Not flammable.
Flammability Limit - Upper (%):	
Flammability Limit - Lower (%):	
Vapor pressure:	No data available
Vapor density (air=1):	No data available
Relative density:	0.95 (20 °C) (Literature.)
Solubility(ies)	
Solubility in Water:	No data available
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available.
Viscosity:	> 20.5 mm ² /s(Literature.)
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information

VOC Content: EC Directive 2004/42: 0.86 g/l ~0.09 % (calculated)

SECTION 10: Stability and reactivity

10.1 Reactivity:	Material is stable under normal conditions.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	No data available.
10.4 Conditions to avoid:	Avoid heat or contamination.
10.5 Incompatible Materials:	No data available.
10.6 Hazardous Decomposition Products:	By heating and fire, harmful vapors/gases may be formed.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Skin Contact:	Moderately irritating to skin with prolonged exposure.

Eye contact: Eye contact is possible and should be avoided.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product: ATEmix: 85,254.77 mg/kg

Specified substance(s)

Hydrocarbons, C10-C13,
n-alkanes, isoalkanes,
cyclics, <2% aromatics
Hydrocarbons, C10,
aromatics, <1%
naphthalene
phosphoric acid...%,
orthophosphoric acid...%

No data available.

LD 50 (Rat): 1,530 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Hydrocarbons, C10-
C13, n-alkanes,
isoalkanes, cyclics,
<2% aromatics
Hydrocarbons, C10,
aromatics, <1%
naphthalene
phosphoric acid...%,
orthophosphoric
acid...%

No data available.

LD 50 (Rabbit): 2,740 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Hydrocarbons, C10-C13,
n-alkanes, isoalkanes,
cyclics, <2% aromatics
Hydrocarbons, C10,
aromatics, <1%
naphthalene
phosphoric acid...%,
orthophosphoric acid...%

No data available.

LC 50 (Guinea pig, Mouse, Rabbit, Rat, 1 h): 193 mg/m³

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Hydrocarbons, C10-C13,
n-alkanes, isoalkanes,
cyclics, <2% aromatics
Hydrocarbons, C10,
aromatics, <1%
naphthalene
phosphoric acid...%,
orthophosphoric acid...%

No data available.

NOAEL (Rat(Female, Male), Oral, 42 - 54 d): 250 mg/kg

Skin Corrosion/Irritation:**Product:**

No data available.

Specified substance(s)

Hydrocarbons, C10-
C13, n-alkanes,
isoalkanes, cyclics,
<2% aromatics
Hydrocarbons, C10,
aromatics, <1%
naphthalene
phosphoric acid...%,
orthophosphoric
acid...%

No data available

No data available.

in vivo (Rabbit): corrosive 80% phosphoric acid

Serious Eye Damage/Eye Irritation:**Product:**

No data available.

Specified substance(s)

Hydrocarbons, C10-
C13, n-alkanes,
isoalkanes, cyclics,
<2% aromatics
Hydrocarbons, C10,
aromatics, <1%
naphthalene
phosphoric acid...%,
orthophosphoric
acid...%

No data available

No data available.

Severely Irritating

Respiratory or Skin**Sensitization:****Product:**

No data available.

Specified substance(s)

Hydrocarbons, C10-
C13, n-alkanes,
isoalkanes, cyclics,

<2% aromatics

Hydrocarbons, C10, aromatics, <1% naphthalene	No data available.
phosphoric acid...%, orthophosphoric acid...%	No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available
Hydrocarbons, C10, aromatics, <1% naphthalene	No data available.
phosphoric acid...%, orthophosphoric acid...%	No data available.

In vivo

Product: No data available.

Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available
Hydrocarbons, C10, aromatics, <1% naphthalene	No data available.
phosphoric acid...%, orthophosphoric acid...%	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available
Hydrocarbons, C10, aromatics, <1% naphthalene	No data available.
phosphoric acid...%, orthophosphoric acid...%	No data available
Reproductive toxicity	
Product: No data available.	

Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available
Hydrocarbons, C10, aromatics, <1% naphthalene	No data available.
phosphoric acid...%, orthophosphoric acid...%	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available
Hydrocarbons, C10, aromatics, <1% naphthalene	No data available.
phosphoric acid...%, orthophosphoric acid...%	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No information available.
Hydrocarbons, C10, aromatics, <1% naphthalene	No data available.
phosphoric acid...%, orthophosphoric acid...%	No data available.

Aspiration Hazard

Product: May be fatal if swallowed and enters airways.

Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available
Hydrocarbons, C10, aromatics, <1% naphthalene	No data available.
phosphoric acid...%, orthophosphoric acid...%	No data available.

SECTION 12: Ecological information

General information: Contains a substance which causes risk of hazardous effects to the environment.

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Hydrocarbons, C10-C13,
n-alkanes, isoalkanes,
cyclics, <2% aromatics

No data available

Hydrocarbons, C10,
aromatics, <1%
naphthalene

No data available.

phosphoric acid...%,
orthophosphoric acid...%

NOAEL (Oryzias latipes, 96 h): 42 mg/l (Static) experimental result
LC 50 (Oryzias latipes, 96 h): 75.1 mg/l (Static) experimental result

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Hydrocarbons, C10-C13,
n-alkanes, isoalkanes,
cyclics, <2% aromatics

No data available

Hydrocarbons, C10,
aromatics, <1%
naphthalene

No data available.

phosphoric acid...%,
orthophosphoric acid...%

EC 50 (48 h): > 100 mg/l (Static) experimental result

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Hydrocarbons, C10-C13,
n-alkanes, isoalkanes,
cyclics, <2% aromatics

No data available.

Hydrocarbons, C10,
aromatics, <1%
naphthalene

No data available.

phosphoric acid...%,
orthophosphoric acid...%

No data available

Aquatic Invertebrates

Product: no data available

Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available.
Hydrocarbons, C10, aromatics, <1% naphthalene	No data available.
phosphoric acid...%, orthophosphoric acid...%	No data available.

Toxicity to Aquatic Plants

Product:	No data available.
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Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available
Hydrocarbons, C10, aromatics, <1% naphthalene	No data available.
phosphoric acid...%, orthophosphoric acid...%	No data available.

12.2 Persistence and Degradability**Biodegradation**

Product:	No data available.
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Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available.
Hydrocarbons, C10, aromatics, <1% naphthalene	No data available.
phosphoric acid...%, orthophosphoric acid...%	No data available.

BOD/COD Ratio

Product	No data available.
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Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	phosphoric acid...%, orthophosphoric acid
Hydrocarbons, C10, aromatics, <1% naphthalene	no data available no data available no data available .

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
No data available

Hydrocarbons, C10, aromatics, <1% naphthalene
No data available.

phosphoric acid...%, orthophosphoric acid...%
No data available.

12.4 Mobility in Soil: No data available.

Known or predicted distribution to environmental compartments

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
No data available

Hydrocarbons, C10, aromatics, <1% naphthalene
No data available.

phosphoric acid...%, orthophosphoric acid...%
No data available.

12.5 Results of PBT and vPvB assessment: Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
No data available.

Hydrocarbons, C10, aromatics, <1% naphthalene
No data available.

phosphoric acid...%, orthophosphoric acid...%
No data available.

12.6 Other Adverse Effects: Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Disposal considerations (including disposal of contaminated containers or packaging)'20 Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws

SECTION 14: Transport information

ADR

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.

RID

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.

IMDG

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.

IATA

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

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

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 689/2008 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:
none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:
none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:

Chemical name	CAS-No.	Concentration
naphthalene	91-20-3	0 - <0.1%

Directive 96/82/EC (Seveso II): on the control of major accident hazards involving dangerous substances:

Chemical name	CAS-No.	Concentration
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothi azolin-3-one [EC no. 220-239-6] (3:1)	55965-84-9	0 - <0.1%
naphthalene	91-20-3	0 - <0.1%

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:

Chemical name	CAS-No.	Concentration
naphthalene	91-20-3	0 - <0.1%

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
phosphoric acid...%, orthophosphoric acid...%	7664-38-2	1.0 - 10%
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothi azolin-3-one [EC no. 220-239-6] (3:1)	55965-84-9	0 - <0.1%
naphthalene	91-20-3	0 - <0.1%

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: Not relevant.Not relevant.

Key literature references and sources for data: Safety Data Sheet from the supplier.
ECHA

Wording of the H-statements in section 2 and 3

H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Training information: No data available.

Classification according to Regulation (EC) No 1272/2008 as amended.

Asp. Tox. 1, H304

Aquatic Chronic 3, H412

Issue Date: 29.06.2020

SDS No.:

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.