according to Regulation (EC) No. 1907/2006 (REACH)

**Trade name:** Lithofin TC Classic Primer - antique

**Revision date :** 30.01.2019 **Version (Revision) :** 4.0.1 (4.0.0)

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

#### 1.1 Product identifier

Lithofin TC Classic Primer - antique

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

Mixture Impregnation, contains: organic solvents

1.3 Supplier (manufacturer/importer/only representative/downstream user/distributor)

**Distributor :** Casdron Enterprises Ltd.

Street : Wood End, Prospect Road

Postal code/city: GB- New Alresford, Hants SO 24 9QF

 Telephone :
 +44 1962 732126

 Telefax :
 +44 1962 735373

 Contact :
 Technical Department E-mail: sales@lithofin.co.uk

Emergency telephone number:

0196 2732126

(Only available during office hours)

**Supplier:** Lithofin AG

Street: Heinrich-Otto-Str. 36

Postal code/city: 73240 Wendlingen

Telephone: +49 (0)7024 9403-0

Telefax: +49 (0)7024 9403-40

Contact: Technical Department
E-mail: info@lithofin.de

Emergency telephone number:

+49 (0)7024 9403-0

(Only available during office hours)

#### 1.4 Emergency telephone number

see section 1.3

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 2; H411 - Hazardous to the aquatic environment : Chronic 2; Toxic to aquatic life with long lasting effects

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Flam. Liq. 2; H225 - Flammable liquids: Category 2; Highly flammable liquid and vapour. STOT SE 3; H336 - STOT-single exposure: Category 3; May cause drowsiness or dizziness.

## **Additional information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

#### Remark

Full text of H- and EUH-phrases: see section 16.

#### 2.2 Label elements

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

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Flame (GHS02) · Environment (GHS09) · Exclamation mark (GHS07)

#### Signal word

Danger

#### **Hazard components for labelling**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane; CAS No.: (64742-49-0)

#### **Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

#### **Precautionary statements**

P102 Keep out of reach of children.

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

smoking

P233 Keep container tightly closed.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P405 Store locked up.

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

#### Other labelling

#### 2.3 Other hazards

#### Adverse physicochemical effects

Spontaneous ignition possible through autoxidation of cloths soaked in the product. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

#### 2.4 Additional information

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

#### **Hazardous ingredients**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane; REACH registration No.: 01-2119475514-35-xxxx; EC No.: 921-024-6; CAS No.: (64742-49-0)

Weight fraction :  $\geq$  30 - < 35 %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 STOT SE 3 ; H336

Aquatic Chronic 2; H411

N-HEXANE ; EC No. : 203-777-6; CAS No. : 110-54-3 Weight fraction :  $\geq$  0,5 - < 1 %

Classification 1272/2008 [CLP]: Flam. Liq. 2; H225 Asp. Tox. 1; H304 Repr. 2; H361f STOT RE 2; H373 Skin Irrit.

2 ; H315 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

2-ethylhexanoic acid, manganese salt; REACH registration No.: 01-2119979087-23-xxxx; EC No.: 240-085-3; CAS No.:

15956-58-8

Weight fraction: < 0,5 %

Classification 1272/2008 [CLP]: Repr. 2; H361d STOT RE 2; H373 Eye Irrit. 2; H319 Aquatic Chronic 2; H411

#### Additional information

All ingredients of this mixture are (pre)registered according to REACH regulation. < 0.1% Benzene, REG(EC) No 1272/2008, Annex VI; J, P

Full text of H- and EUH-phrases: see section 16.

according to Regulation (EC) No. 1907/2006 (REACH)

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#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

#### **General information**

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice. Observe risk of aspiration if vomiting occurs.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Immediately remove any contaminated clothing, shoes or stockings. Do not wash with: Cleaning agent, acidic Cleaning agent, alkaline Solvents/Thinner

#### After eve contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye.

#### After ingestion

Call a physician immediately. Keep at rest. Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

#### Self-protection of the first aider

First aider: Pay attention to self-protection!

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

No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

#### Notes for the doctor

Treat symptomatically.

#### **Special treatment**

First Aid, decontamination, treatment of symptoms.

#### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam Carbon dioxide (CO2) BC-powder ABC-powder Water spray

#### Unsuitable extinguishing media

Full water jet Strong water jet

#### 5.2 Special hazards arising from the substance or mixture

#### **Hazardous combustion products**

Carbon monoxide Carbon dioxide (CO2)

#### 5.3 Advice for firefighters

Use suitable breathing apparatus.

#### Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### 5.4 Additional information

Use water spray jet to protect personnel and to cool endangered containers. Do not allow run-off from fire-fighting to enter drains or water courses. Do not inhale explosion and combustion gases.

#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. Remove persons to

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safety. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.

#### 6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

#### 6.3 Methods and material for containment and cleaning up

#### For cleaning up

Suitable material for taking up: Universal binder

Clean contaminated articles and floor according to the environmental legislation. Retain contaminated washing water and dispose it. Dispose of waste according to applicable legislation.

#### 6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

When using do not eat, drink, smoke, sniff.

#### **Protective measures**

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists Skin contact Eye contact Wear personal protection equipment (refer to section 8). Always close containers tightly after the removal of product. Do not breathe gas/fumes/vapour/spray. Use only in well-ventilated areas. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. Technical measures and the application of suitable work processes have priority over personal protection equipment.

#### Measures to prevent fire

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Keep away from sources of ignition - No smoking. The product is: Combustible

Fire class:

Shake well before use nein

Specific requirements or handling rules

Do not put any product-impregnated cleaning rags into your trouser pockets.

#### Further information

Materials soiled with product such as cleaning rags, tissues and protective clothing, may ignite spontaneously a few hours later.

#### Advices on general occupational hygiene

P362+P364 - Take off contaminated clothing and wash it before reuse.

#### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed. Keep/Store only in original container. The floor should be leak tight, jointless and not absorbent. Ensure adequate ventilation of the storage area.

#### Hints on joint storage

Storage class (TRGS 510): 3

**Protect from frost** nein

**Recommended storage temperature** 5 - 25 °C

#### **Further information on storage conditions**

Keep locked up and out of reach of children. Keep container tightly closed in a cool, well-ventilated place.

## 7.3 Specific end use(s)

#### Recommendation

Observe technical data sheet. Observe instructions for use.

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### Occupational exposure limit values

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N-HEXANE; CAS No.: 110-54-3

Peak limitation: 8(II)
Remark: Y
Version: 01.03.2018
Limit value type (country of origin): TRGS 903 ( D )

Parameter: 2,5-Hexandione / Urine (U) / End of exposure or end of shift

 $\begin{array}{ll} \mbox{Limit value:} & 5 \mbox{ mg/l} \\ \mbox{Version:} & 01.03.2018 \\ \mbox{Limit value type (country of origin):} & TWA ( EC ) \end{array}$ 

Limit value : 20 ppm / 72 mg/m³

Version: 31.01.2018

#### 8.2 Exposure controls

#### **Appropriate engineering controls**

Ensure adequate ventilation of the storage area.

Technical measures and the application of suitable work processes have priority over personal protection equipment.

#### Personal protection equipment

## Eye/face protection

#### Suitable eye protection

Eye glasses with side protection goggles

#### Required properties

**DIN EN 166** 

## Skin protection

#### **Hand protection**

Suitable gloves type: Gloves with long cuffs

Suitable material: NBR (Nitrile rubber), 0,4mm, >8h; FKM (fluoro rubber), 0,7mm, >8h;

**Recommended glove articles**: Manufacturer KCL GmbH/Eichenzell-Germany; Ansell/Yarra City-Australia Or comparable articles from other companies.

Additional hand protection measures: Check leak tightness/impermeability prior to use.

**Remark**: Breakthrough times and swelling properties of the material must be taken into consideration. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Barrier creams are not substitutes for body protection.

#### **Body protection**

Protective clothing.

Suitable protective clothing: Chemical protection clothing Chemical resistant safety shoes

Required properties : antistatic.

Protective clothing.: DIN EN ISO 20345 DIN EN 13034 DIN EN 14605

footwear: DIN EN 14404

**Remark**: Barrier creams are not substitutes for body protection.

#### Respiratory protection

Usually no personal respirative protection necessary. Respiratory protection necessary at: insufficient ventilation aerosol or mist formation. high concentrations spray application

#### Suitable respiratory protection apparatus

Combination filtering device (EN 14387) Half-face mask (DIN EN 140) ABEK-P1

#### Remark

Use only respiratory protection equipment with CE-symbol including four digit test number. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

#### General health and safety measures

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. When using do not eat, drink, smoke, sniff. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Wash contaminated clothing prior to reuse. Wash hands before breaks and after work. Apply skin care products after work. Do not breathe

closed cup

hPa

(EN ISO 3679)

## **Safety Data Sheet**

according to Regulation (EC) No. 1907/2006 (REACH)

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gas/fumes/vapour/spray.

#### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Appearance: viscous
Colour: dark brown
Odour: solvent

#### Safety relevant basis data

°C Melting point/melting range: (1013 hPa) -13 Initial boiling point and boiling (1013 hPa) approx. 94 °C range: **Decomposition temperature:** (1013 hPa) not determined Flash point: 10 °C Ignition temperature: not determined

Sustaining combustion
Yes
UN Test L2:Sustained combustibility test

Lower explosion limit: not determined
Upper explosion limit: not determined
Vapour pressure: (50 °C) < 3000

Density: $(20 \, ^{\circ}\text{C})$ 0,86 $g/\text{cm}^{3}$ Pyknometer (DIN EN ISO 2811-1)Solvent separation test: $(20 \, ^{\circ}\text{C})$ <3%Test L1: Solvent separation test (UN)

Water solubility (20 °C) immiscible pH: not applicable

 pH:
 not applicable not determined
 DIN 19268

 log P O/W:
 not determined
 (Mixture)

 Flow time:
 (23 °C)
 approx.
 29
 s
 ISO cup 4 mm (DIN EN ISO 2431)

Odour threshold: not determined Vapourisation rate: not determined

**VOC content-EC** approx. 34,7 Wt %

**VOC-France** A+ Décret no 2011-321 du 23 mars 2011

(\* VOC-EC = "Volatile organic compound (VOC)" means any organic compound having an initial boiling point less than or equal to  $250^{\circ}$ C measured at a standard pressure of 101,3 kPa; VOC-value in g/L)

#### 9.2 Other information

Data apply to the main component:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane (CAS: 64742-49-0)

Lower explosion limit (Vol-%): 1 Upper explosion limit (Vol-%): 8 log P O/W: 3,4 - 5,2

## **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

#### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

#### 10.4 Conditions to avoid

Stable under recommended storage and handling conditions. Spontaneous ignition possible through autoxidation of

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cloths soaked in the product.

#### 10.5 Incompatible materials

No data available

#### 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

## **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

#### **Acute effects**

There are no data available on the preparation/mixture itself. Data apply to the main component.

#### Specific symptoms in animal studies

There are no data available on the preparation/mixture itself.

#### **Irritant and corrosive effects**

#### Assessment/classification

Repeated exposure may cause skin dryness or cracking.

#### Sensitisation

There are no data available on the preparation/mixture itself.

#### Repeated dose toxicity (subacute, subchronic, chronic)

There are no data available on the preparation/mixture itself.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

#### Carcinogenicity

There are no data available on the preparation/mixture itself.

#### Other information

No indication of human carcinogenicity.

#### Germ cell mutagenicity

There are no data available on the preparation/mixture itself.

No indications of human germ cell mutagenicity exist.

#### Reproductive toxicity

There are no data available on the preparation/mixture itself.

#### Other information

No indications of human reproductive toxicity exist.

#### **Overall Assessment on CMR properties**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

#### **STOT-single exposure**

See SECTION 2.1 (classification).

## **STOT-repeated exposure**

See SECTION 2.1 (classification).

#### **Aspiration hazard**

See SECTION 2.1 (classification).

#### **SECTION 12: Ecological information**

#### 12.1 Toxicity

Data apply to the main component. There are no data available on the preparation/mixture itself.

#### **Effects in sewage plants**

Observe local regulations concerning effluent treatment.

#### 12.2 Persistence and degradability

There are no data available on the preparation/mixture itself.

#### **Biodegradation**

There are no data available on the preparation/mixture itself.

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#### 12.3 Bioaccumulative potential

There are no data available on the preparation/mixture itself.

#### 12.4 Mobility in soil

There are no data available on the preparation/mixture itself.

#### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6 Other adverse effects

There are no data available on the preparation/mixture itself.

#### 12.7 Additional ecotoxicological information

#### **Additional information**

The product has not been tested.

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Dispose according to legislation.

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

#### **Product/Packaging disposal**

#### Waste codes/waste designations according to EWC/AVV

Waste code product

Waste code (EWC/AVV): 07 01 04\*

Waste code packaging

Waste code packaging: 15 01 10\*

#### Waste treatment options

29/35 - Do not empty into drains; dispose of this material and its container in a safe way. Delivery to an approved waste disposal company.

### Appropriate disposal / Package

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

#### 13.2 Additional information

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

#### **SECTION 14: Transport information**

#### 14.1 UN number

UN 1993

#### 14.2 UN proper shipping name

Land transport (ADR/RID)

FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE)

Sea transport (IMDG)

FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE)

Air transport (ICAO-TI / IATA-DGR)

FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE)

#### 14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es): 3
Classification code: F1
Hazard identification number (Kemler
No.): 33
Tunnel restriction code: D/E

**Special provisions:** 640G · LQ 1 l · E 2

Hazard label(s): 3 / N

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Sea transport (IMDG)

**Class(es):** 3 **EmS-No.:** F-E / <u>S-E</u>

**Special provisions :** LQ 1 | · E 2 · IMDG 2.3.2.3 (Packing group III <= 30 |)

Hazard label(s): 3 / N

Air transport (ICAO-TI / IATA-DGR)

Class(es):

**Special provisions :** E 2 · IATA 3.3.3.1 (Packing group III <= 30 l)

Hazard label(s): 3

14.4 Packing group

II

14.5 Environmental hazards

Land transport (ADR/RID): Yes Sea transport (IMDG): Yes (P)

Air transport (ICAO-TI / IATA-DGR): Yes

14.6 Special precautions for user

None

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not required.

#### **SECTION 15: Regulatory information**

# Safety, health and environmental regulations/legislation specific for the substance or mixture $^{15.1}$

#### **EU** legislation

REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (clp) Directive 2008/98/EC of the European Parliament and of the Council on waste (2000/532/EC) EN 2:1992 (DIN EN 2:2005-01)

#### Authorisations and/or restrictions on use

#### **Restrictions on use**

Use restriction according to REACH annex XVII, no.: None, if handled according to order.

#### **Restrictions of occupation**

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

#### Other regulations (EU)

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work. (Directive 2000/39/EC, Directive 2006/15/EC, Directive 2009/161/EC)

REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the export and import of hazardous chemicals [PIC-Regulation]

REGULATION (EU) No 98/2013 on the marketing and use of explosives precursors: Not applicable.

#### Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer

Not applicable.

Contains the following substances that deplete the ozone layer: -

#### Regulation (EC) No 850/2004 [POP-Regulation]

Not applicable.

Name of the persistent organic pollutant (POP): -

## **National regulations**

Observe in addition any national regulations!

Germany

TRGS 400 (Risk assessment for activities involving hazardous substances)

TRGS 500 (Protective measures)

TRGS 510 (Storage of hazardous substances in non-stationary containers)

TRGS 555 (Working instruction and information for workers)

according to Regulation (EC) No. 1907/2006 (REACH)

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#### Water hazard class (WGK)

Class: 2 (Significant hazardous to water) Classification according to AwSV

Other regulations, restrictions and prohibition regulations

Switzerland

**VOCV-Regulation** 

Maximum VOC content (Switzerland): 34,7 Wt % according to VOCV

#### 15.2 Chemical safety assessment

For this substance/mixture a chemical safety assessment has not been carried out.

#### **SECTION 16: Other information**

#### 16.1 Indication of changes

07. Hints on joint storage - Storage class

#### 16.2 Abbreviations and acronyms

ABC-Pulver Extinguishing powder for fire class A, B and C

ABEK-P1 combination filter

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

AVV Abfallverzeichnis-Verordnung (Waste Regulation)

AWSV Ordinance on facilities for the handling of substances hazardous to water

BGR BG rules and regulations

ca. circa

CAS Chemical Abstract Service

CLP classification, labelling and packaging

CMR Carcinogen, mutagen or toxic for reproduction

DIN German Institute for Standardization

DNEL Derived No-Effect Level
EAK/EWC/EAC/CWR/CER European Waste Catalogue
EC50 / CE50 Effective Concentration 50%
EG / EC / CE European Community
EN European Standard

EUH supplemental hazard statement of the european union
GefStoffV Gefahrstoffverordnung (Hazardous Substances Ordinance)

GHS / SGH Globally Harmonised System

H-Sätze hazard statements

IATA-DGR International Air Transport Association-Dangerous Goods Regulations

International Code for the Construction and Equipment of Ships carrying Dangerous

Chemicals in Bulk

ICAO-TI International Civil Aviation Organization-Technical Instructions

IMDG-Code International Maritime Dangerous Goods Code ISO International Organization for Standardization

LC50 / CL50 Lethal Concentration 50%

LD50 / DL50 Lethal Dose 50%

log P O/W Partition coefficient n-octanol/water

MARPOL International Convention for the Prevention of Pollution from Ships (marine pollution)

NOAEL (DSET) No observed adverse effect level NOEC (CSEO) No observed effect concentration

Nr. Number

OECD Organisation for Economic Co-operation and Development

PBT persistent, bioaccumulative and toxic

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according to Regulation (EC) No. 1907/2006 (REACH)

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pH Potentia hydrogenii PIC prior informed consent

PNEC Predicted No-Effect Concentration
POP Persistent organic pollutants
P-Sätze precautionary statements

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID International Carriage of Dangerous Goods by Rail

STEL / LECT short-term exposure limit

TRGS Technische Regeln für Gefahrstoffe (Technical Rules for Hazardous Substances)

TWA / MPT time-weighted average

UN/ONU United Nations

VOC/COV/VOS/LZO Volatile Organic Compound

VOCV Ordinance on the Incentive Tax on Volatile Organic Compounds (SR 814.018)

vPvB very persistent and very bioaccumulative
WGK Wassergefährdungsklasse (Water hazard class)

For abbreviations and acronyms, see table at http://abbrev.esdscom.eu. For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

#### 16.3 Key literature references and sources for data

Regulation (EC) No 1272/2008 (GHS)

ECHA: Registered substances (https://echa.europa.eu/information-on-chemicals/registered-substances)

REACH Art. 59: -Candidate List of substances of very high concern for Authorisation

(https://www.echa.europa.eu/candidate-list-table)

# Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard statements for physical hazards : On basis of test data. Hazard statements for health hazards : Calculation method.

Hazard statements for environmental hazards : Calculation method.

#### 16.5 Relevant H- and EUH-phrases (Number and full text)

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.

H361f Suspected of damaging fertility.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

#### 16.6 Training advice

None

#### 16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.