

Safety Data Sheet

PC THINNER

Safety Data Sheet dated 17/04/2024 version 6



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

1.1. Product identifier

Identification of the substance:

Trade name: PC THINNER

Trade code: L0000527

CAS number: 108-10-1

Registration Number 01-2119473980-30

EC number: 203-550-1

Index number: 606-004-00-4

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

Recommended use: Coatings and paints, thinners, paint removers

Diluyente per prodotti vernicianti

liquido

Impieghi industriali

Uses advised against: N.A.

1.3. Details of the supplier of the safety data sheet

Company: Lechler SpA - Via Cecilio, 17 - 22100 Como - CO - Italy

Telefono: +39031586111

First Email: safety@lechler.eu

1.4. Emergency telephone number

CAV "Osp.Ped.Bambino Gesù" Dip.Emergenza di Roma ...0668593726
Azienda Ospedaliera Università di Foggia800183459 -
Ospedale Niguarda Ca' Granda di Milano0266101029 -
Azienda Ospedaliera "A. Cardarelli" di Napoli0817472870 -
CAV Policlinico "Umberto I" di Roma0649978000 -
CAV Policlinico "A. Gemelli" di Roma063054343 -
Azienda Osp."Careggi" U.O. Tossicologica di Firenze0557947819 -
CAV Centro Nazionale di Informaz.Tossicol. di Pavia038224444 -
Azienda Ospedaliera Papa Giovanni XXIII di Bergamo.....800883300 -
Azienda Ospedaliera Integrata di Verona..... ..800011858 -

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Flam. Liq. 2 Highly flammable liquid and vapour.

Acute Tox. 4 Harmful if inhaled.

Eye Irrit. 2 Causes serious eye irritation.

Carc. 2 Suspected of causing cancer.

STOT SE 3 May cause drowsiness or dizziness.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Hazard pictograms and Signal Word



Danger

Hazard statements

- H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.

Precautionary statements

- P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378 In caso d'incendio: utilizzare sabbia secca, prodotto chimico secco o schiuma resistente all'alcool per estinguere.
P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

- EUH066 Repeated exposure may cause skin dryness or cracking.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

This substance has no PBT, vPvB or endocrine disrupting properties

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance Identifications:	4-metilpentan-2-one; isobutile metile chetone
CAS number:	108-10-1
EC number:	203-550-1
Index number:	606-004-00-4
Registration Number	01-2119473980-30

Acute Toxicity Estimate

ATE - Inhalation (Vapours) : 11 mg/l

3.2. Mixtures

N.A.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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

Eye irritation

Eye damages

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In caso d'incendio: utilizzare sabbia secca, prodotto chimico secco o schiuma resistente all'alcool per estinguere.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

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

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Conservare ad una temperatura compresa tra 5° e 35°C. Tenere lontano da fiamme libere e sorgenti di calore. Evitare l'esposizione diretta al sole.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL Type	Country	Occupational Exposure Limit
EU		Long Term: 83 mg/m ³ - 20 ppm; Breve Termine 208 mg/m ³ - 50 ppm Behaviour Indicative 2000/39/CE
SUVA	SWITZERLAN D	Long Term: 82 mg/m ³ - 20 ppm; Breve Termine 164 mg/m ³ - 40 ppm Se il valore limite di esposizione professionale viene rispettato, le lesioni al feto sono improbabili.
VLEP	ITALY	Long Term: 83 mg/m ³ - 20 ppm; Breve Termine 208 mg/m ³ - 50 ppm
ACGIH		Long Term: 20 ppm; Breve Termine 75 ppm A3, BEI - URT irr, dizziness, headache

Biological limit values

Biological Indicator: MIBK; Sampling Period: Fine turno

Value: 2 mg/L; Medium: Urine

Remark: Argentina. Biological Exposure Indices

Biological Indicator: MIBC; Sampling Period: FSL

Value: 5 mg/g Creatinine; Medium: Urine

Remark: Chile. Biological Limit Values

Biological Indicator: MIBK; Sampling Period: Fine turno

Value: 2 mg/L; Medium: Urine

Remark: Maximum allowable occupational exposure limits in the workplace - Table 3. Adopted Biological Exposu

Biological Indicator: 4-methylpentan-2-one; Sampling Period: Non critico

Value: 3.5 mg/L; Medium: Urine

Remark: Croatia. Biological Exposure Limits

Biological Indicator: 4-methylpentan-2-one; Sampling Period: Immediately after exposure or after working hours

Value: 0.7 mg/L; Medium: Urine

Remark: TRGS 903 - Biological limit values

Biological Indicator: MIBK; Sampling Period: Fine turno

Value: 1.7 mg/L; Medium: Urine

Remark: Occupational exposure limits based on biological monitoring (JSOH).

Biological Indicator: MIBK; Sampling Period: Fine turno

Value: 2 mg/L; Medium: Urine

Remark: Kenya. Occupational Safety and Health Act (CAP.514), Schedule I, Table 3 Biological Exposure Limits

Biological Indicator: MIBK; Sampling Period: Fine turno

Value: 2 mg/L; Medium: Urine

Remark: Official Mexican Norm NOM-047-SSA1-2011, Environmental Health - Biological exposure indices for work

Biological Indicator: MIBK; Sampling Period: Fine turno

Value: 2 mg/L; Medium: Urine

Remark: New Zealand. Biological Exposure Indices

Biological Indicator: MIBK; Sampling Period: Fine turno

Value: 1 mg/L; Medium: Urine

Remark: Portuguese Norm 1796 - Biological Exposure Indices

Biological Indicator: hexone; Sampling Period: Fine turno

Value: 3.5 mg/L; Medium: Blood

Remark: Slovakia. Biological Limit Values

Biological Indicator: hexone; Sampling Period: Fine turno

Value: 354 micromol per litre; Medium: Blood
Remark: Slovakia. Biological Limit Values

Biological Indicator: hexone; Sampling Period: Fine turno
Value: 236 mg/g Creatinine; Medium: Urine
Remark: Slovakia. Biological Limit Values

Biological Indicator: hexone; Sampling Period: Fine turno
Value: 267 micromoles per millimole creatinine; Medium: Urine
Remark: Slovakia. Biological Limit Values

Biological Indicator: 4-methylpentane-2-one; Sampling Period: Fine turno
Value: 3.5 mg/L; Medium: Urine
Remark: Slovenia. BAT-values

Biological Indicator: MIBK; Sampling Period: Fine turno
Value: 2 mg/L; Medium: Urine
Remark: South Africa. Hazardous Chemical Substances Regulations, Biological Exposure Indices.

Biological Indicator: MIBK; Sampling Period: End of workday
Value: 1 mg/L; Medium: Urine
Remark: Occupational Exposure Limits for Chemical Agents in Spain - Biological Exposure Values

Biological Indicator: 4-methylpentan-2-one; Sampling Period: Immediately after exposure or after working hours
Value: 20 micromol per litre; Medium: Urine
Remark: Svizzera. Lista di valori BAT

Biological Indicator: 4-methylpentan-2-one; Sampling Period: Immediately after exposure or after working hours
Value: 2 mg/L; Medium: Urine
Remark: Svizzera. Lista di valori BAT

Biological Indicator: 4-methylpentan-2-one; Sampling Period: After shift
Value: 20 micromol per litre; Medium: Urine
Remark: UK. Biological monitoring guidance values

Biological Indicator: MIBK; Sampling Period: Fine turno
Value: 1 mg/L; Medium: Urine
Remark: ACGIH - Indicatori di Esposizione Biologica (BEI)

Biological Indicator: MIBK; Sampling Period: End of workday
Value: 2 mg/L; Medium: Urine
Remark: VE. Biological Exposure Limits

Sampling Period: Fine turno

Predicted No Effect Concentration (PNEC) values

Exposure Route: Fresh Water; PNEC Limit: 0.6 mg/l
Exposure Route: Intermittent releases (fresh water); PNEC Limit: 1.5 mg/l
Exposure Route: Marine water; PNEC Limit: 0.06 mg/l
Exposure Route: Freshwater sediments; PNEC Limit: 8.27 mg/l
Exposure Route: Marine water sediments; PNEC Limit: 0.83 mg/kg
Exposure Route: Soil; PNEC Limit: 1.3 mg/kg
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 27.5 mg/l

Derived No Effect Level (DNEL) values

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 83 mg/m³; Worker Professional: 83 mg/m³; Consumer: 14.7 mg/m³
Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects
Worker Industry: 208 mg/m³; Worker Professional: 208 mg/m³; Consumer: 155.2 mg/m³
Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker Industry: 83 mg/m³; Worker Professional: 83 mg/m³; Consumer: 14.7 mg/m³
Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Worker Industry: 208 mg/m³; Worker Professional: 208 mg/m³; Consumer: 155.2 mg/m³
Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 11.8 mg/kg; Worker Professional: 11.8 mg/kg; Consumer: 4.2 mg/kg

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

N.A.

Environmental exposure controls:

N.A.

Hygienic and Technical measures

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: colourless

Odour: N.A.

pH: Not Relevant

Kinematic viscosity: $\leq 20,5$ mm²/sec (40 °C)

Melting point/freezing point: N.A.

Boiling point or initial boiling point and boiling range: 117.4 °C (243.3 °F)

Flash point: 14 °C (57 °F)

Lower and upper explosion limit: N.A.

Relative vapour density: N.A.

Vapour pressure: N.A.

Density and/or relative density: 0.80 g/cm³

Solubility in water: N.A.

Solubility in oil: N.A.

Partition coefficient n-octanol/water (log value): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Flammability: The product is classified Flam. Liq. 2 H225

Kinematic viscosity m²/s (40°C) $\leq 20,5$ mm²/sec (40 °C)

Viscosity:

Particle characteristics:

Particle size: N.A.

9.2. Other information

Evaporation rate: N.A.

Miscibility: N.A.

Conductivity: N.A.

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Data not available.

10.2. Chemical stability

Data not available.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Data not available.

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

Data not available.

SECTION 11: Toxicological information

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

Toxicological Information of the Substance

a) acute toxicity

The product is classified: Acute Tox. 4(H332)

	ATE - Inhalation (Vapours) : 11 mg/l
	LD50 Oral Ratto > 2000 mg/kg bw
	LD50 Skin Coniglio > 2000 mg/kg bw
	LC50 Inhalation Vapour = 11 mg/l
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	The product is classified: Eye Irrit. 2(H319)
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	The product is classified: Carc. 2(H351)
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	The product is classified: STOT SE 3(H336)
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

11.2. Information on other hazards

Endocrine disrupting properties:

This substance has no endocrine disrupting properties

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

a) Tossicità acquatica acuta : LC50 Fish Brachydanio rerio > 179 mg/L 96h OECD Test Guideline 203

a) Tossicità acquatica acuta : EC50 Invertebrates Daphnia magna > 200 mg/L 48h

b) Tossicità acquatica cronica : NOEC Algae Lemna minor > 146 mg/L 7 d

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

This substance has no PBT or vPvB properties

12.6. Endocrine disrupting properties

This substance has no endocrine disrupting properties

12.7. Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

1245

14.2. UN proper shipping name

ADR-Shipping Name: METHYL ISOBUTYL KETONE
IATA-Technical name: METHYL ISOBUTYL KETONE
IMDG-Technical name: METHYL ISOBUTYL KETONE

14.3. Transport hazard class(es)

ADR-Class: 3
IATA-Class: 3
IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: II
IATA-Packing group: II
IMDG-Packing group: II

14.5. Environmental hazards

Toxic ingredients quantity: 0.00
Very toxic ingredients quantity: 0.00
Marine pollutant: No
Environmental Pollutant: No
IMDG-EMS: F-E, S-D

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR exempt:
ADR-Label: 3

ADR - Hazard identification number: 33
ADR-Special Provisions: -

ADR-Transport category (Tunnel restriction code): 2 (D/E)

Air (IATA):

IATA-Passenger Aircraft: 353
IATA-Cargo Aircraft: 364
IATA-Label: 3

IATA-Subsidiary hazards: -

IATA-Erg: 3L
IATA-Special Provisions: -

Sea (IMDG):

IMDG-Stowage Code: Category B
IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisions: -

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regolamento (UE) n. 2021/849 (ATP 17 CLP)
Regolamento (UE) n. 2022/692 (ATP 18 CLP)
Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40
Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1	Lower-tier threshold (tonnes)	Upper-tier threshold (tonnes)
Product belongs to category: P5c	5000	50000

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

Classe 1: poco pericoloso.

Lagerklasse according to TRGS 510:

LGK 3

SVHC Substances:

NOSVHCCOMPS

Dir. 2010/75/CE (Direttiva COV)

Volatile Organic compounds - VOCs = 100.00 %
Volatile Organic compounds - VOCs = 800.00 g/L
Estimated Total Content of Water 0.00 %
Estimated Total Solid Content 0.00 %

Classificazione in accordo con VbF

Classificazione in accordo con VbF A I - Punto di infiammabilità inferiore a 21 °C, non mescolabile in acqua a 15 °C

Mal-Code (Denmark)

Mal-Code (Denmark)	Mal Factor	Unit of Measure	Revision Status / Number	Regulatory Base
5 - 1	3845	m3 air/10 g	1993	Administrative determined MAL-Factors

Biocidi

REGOLAMENTO (CE) N. 528/2012

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the substance.

SECTION 16: Other information

Code	Description
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.

Code	Hazard class and hazard category	Description
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.6/2	Carc. 2	Carcinogenicity, Category 2
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European

Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

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

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: KAFH

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level

OSHA: Occupational Safety and Health Administration

PBT: Persistent, Bioaccumulative and Toxic

PGK: Packaging Instruction

PNEC: Predicted No Effect Concentration.

PSG: Passengers

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.

WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

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- SECTION 9: Physical and chemical properties
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