

Safety Data Sheet

TUTELA BRAKE FLUID LHM

Revision Date: 2/4/2021
version 1



SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

PRODUCT IDENTIFIER

MIXTURE IDENTIFICATION:
TRADE NAME:
TUTELA BRAKE FLUID LHM
TRADE CODE: 76004

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

RECOMMENDED USE:
Brake fluid.
USES ADVISED AGAINST:
This product should not be used for other purposes than those specified without the advice of an expert.

1.3. DETAILS OF THE SUPPLIER

COMPANY:
PLI AUSTRALIA PTY. LIMITED
Suite 2, Level 6,
85 George Street
Parramatta, NSW 2150
Australia
Telephone: 001139 1800 834 081

NZ Distributor:
Oil Distributors Ltd t/a AKTRON
14 Railway Road
Rangiora 7400
Ph: 0800 70 10 10
admin@aktron.co.nz
ERMA Approval Code: HSR002605

COMPETENT PERSON RESPONSIBLE FOR SAFETY DATA OF PRODUCT:
Information on the legislation compliance info-regulation.eu@pli-petronas.com

EMERGENCY PHONE NUMBER

Emergency Answer Service (24h/7d):
+64 9 929 1483
0800 446 881 (access from New Zealand only)

SECTION 2. HAZARDS IDENTIFICATION

HSNO HAZARD CLASSIFICATION

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001

HSNO classification:

6.1E H304 - May be fatal if swallowed and enters airways.
(aspiration)

9.1D H402 - Harmful to aquatic life

9.1C H412 - Harmful to aquatic life with long lasting effects.

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ADVERSE PHYSICOCHEMICAL, HUMAN HEALTH AND ENVIRONMENTAL EFFECTS:

No other hazards

HAZARD INFORMATION

Pictograms and Signal Words



Warning

Hazard statements

- H304 May be fatal if swallowed and enters airways.
H402 Harmful to aquatic life
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P273 Avoid release to the environment.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container in accordance with applicable regulations.

Contains

Lubricating oils, petroleum, C15-30-hydrotreated neutral oil-based

OTHER HAZARDS WHICH DO NOT RESULT IN A CLASSIFICATION

No other hazards

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCES

N.A.

MIXTURES

Severely refined mineral and/or synthetic oils, additives.

Hazardous components within the meaning of HSNO Act and related classification

QTY	NAME	IDENT. NUMB.	CLASSIFICATION
90.0-100.0 %	Lubricating oils, petroleum, C15-30-hydrotreated neutral oil-based	CAS:72623-86-0 EC:276-737-9	6.1E (aspiration), H304

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0.5-<0.95 % 2,6-ditert-butyl-p-cresol

CAS:128-37-0 9.1A, H400; 9.1A,
EC:204-881-4 H410; 9.1C, H412

H-phrases and list of abbreviations: see heading 16.

SECTION 4. FIRST AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES

IN CASE OF INGESTION:

Obtain IMMEDIATE MEDICAL ATTENTION if the product has been swallowed and show label or package. Do not induce absolutely vomiting to avoid aspiration into the respiratory tracts. If vomiting occurs spontaneously, keep head down to avoid the risk of aspiration into the lungs. Never give anything by mouth to an unconscious person.

IN CASE OF EYES CONTACT:

Rinse thoroughly with plenty of water for at least 10 minutes keeping eyelids open. Remove contact lenses if this can be done easily. Obtain medical attention in case of development and persistence of pain and redness. In case of contact with hot product, rinse thoroughly with plenty of water to dissipate heat. Obtain immediate medical attention to assess eye conditions and the correct treatment to be practiced.

IN CASE OF SKIN CONTACT:

Remove contaminated clothes and shoes and rinse thoroughly with plenty of water and soap.

IN CASE OF INHALATION:

Expose affected person to fresh air and obtain medical attention if necessary.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

Refer to section 4.1.

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

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

Refer to section 11.

SECTION 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product has no special fire risk. In case of fire use foam, carbon dioxide, dry chemical powder and water mist.

Cool down with water the containers don't get involved in fire to avoid their possible explosion.

Avoid high pressure water jet. Use water jet only to cool down surfaces exposed to fire.

SUITABLE EXTINGUISHING MEDIA:

Water.

Carbon dioxide (CO₂).

UNSUITABLE EXTINGUISHING MEDIA:

None in particular.

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SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Don't breathe combustion fumes: fire can form harmful compounds.

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon, compounds of sulphur, phosphorus, nitrogen and products of incomplete combustion.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

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

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid ingestion of product. Avoid contact with skin and eyes by wearing appropriate protective clothing.

Avoid to breathe fumes and aerosols.

Surfaces on which the product has been spilled may become slippery.

Wear personal protection equipment.

See protective measures under point 7 and 8.

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.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Avoid flame and/or spark near leak and produced waste. Do not smoke. In case of large spills dike, absorb and shovel up into suitable containers for disposal. Contain small spills with absorbent material. Put dirty material in suitable container. Dispose of dirty material in accordance with local or national regulations.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid ingestion. Avoid frequent and prolonged skin contact and contact with eyes. Provide adequate ventilation to avoid mist or aerosol. Don't smoke or use open flames; avoid contact with spark or other sources of ignition. Don't work near open container to avoid high concentration of vapours. Don't eat or drink during use.

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CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store under cover in the original container securely closed away from heat and sources of ignition. Do not store in the open air. Assure a correct ventilation of premises and the control of possible leak. Keep out of flame or spark and avoid the accumulation of electrostatic charges. Keep out of reach of children and away from food and drink.

Storage class (TRGS 510, Germany): 10

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

OEL: oil mists - TLV/TWA (8 h) : 5 mg/m³ - TLV/STEL: 10 mg/m³

Community Occupational Exposure Limits (OEL)

COMPONENT	OEL TYPE	COUNTRY	CEILING	LONG TERM MG/M3	LONG TERM PPM	SHORT TERM MG/M3	SHORT TERM PPM	BEHAVIOUR NOTES
2,6-ditert-butyl-p-cresol	EU	ITALY		2.000				

Predicted No Effect Concentration (PNEC) values

COMPONENT	CAS-NO.	PNEC	EXPOSURE LIMIT	EXPOSURE ROUTE	EXPOSURE FREQUENCY	REMARK
2,6-ditert-butyl-p-cresol	128-37-0	0.004 mg/l				

Derived No Effect Level (DNEL) values

COMPONENT	CAS-NO.	WORKER EXPOSURE	WORKER EXPOSURE	CONSUMER EXPOSURE	EXPOSURE ROUTE	EXPOSURE FREQUENCY	REMARK
		INDUSTRY	PROFESSIONAL	GENERAL			
2,6-ditert-butyl-p-cresol	128-37-0		2.000		Human Inhalation		mg/m ³ inhalable particles / vapors

ENGINEERING CONTROLS

Avoid production and diffusion of mist and aerosol with utilization of localized ventilation/aspiration or other required precautions. Adopt all required precaution to avoid product immission in environment (e.g., blasting systems, catch basins, ...).

8.3. INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE PROTECTION:

Chemical goggles and face shield in case of oil splashes.

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PROTECTION FOR SKIN:

Wear suitable protective clothing (for further information, refer to CEN-EN 14605); change it immediately in case of large contamination and wash it before subsequent use.

Practice reasonable personal cleanliness.

PROTECTION FOR HANDS:

Wear suitable gloves (i.e. neoprene, nitrile). Gloves should be changed when they show wear. The kind of gloves and the term of use must be decided from employer with regard to processing and to allow for DPI legislation and glove producer's indications. Wear gloves only with clean hands.

RESPIRATORY PROTECTION:

None required under normal conditions of use. Use approved full face respirator with organic vapour filter cartridge if the recommended exposure limits are exceeded.

ENVIRONMENTAL EXPOSURE CONTROLS:

Refer to technical precautions and also to sections 6.2, 6.3, 7.2, 12 and 13.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

CHEMICAL-PHYSICAL PROPERTY	VALUE	METHOD
PHYSICAL STATE	LIQUID	
APPEARANCE AND COLOUR:	VISCOUS GREEN	
ODOUR:	NOT RELEVANT	
ODOUR THRESHOLD:	NOT RELEVANT	
PH:	NOT RELEVANT	
MELTING POINT / FREEZING POINT:	N.A.	
INITIAL BOILING POINT AND BOILING RANGE:	>200 °C (392 °F)	(ASTM D1120)
FLASH POINT:	125 °C (257 °F)	(ASTM D92)
EVAPORATION RATE:	N.A.	
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	N.A.	
VAPOUR DENSITY:	N.A.	
VAPOUR PRESSURE:	N.A.	
DENSITY	0.84 g/cm ³	(ASTM D1298)
SOLUBILITY IN WATER:	IMMISCIBLE	
SOLUBILITY IN OIL:	N.A.	
PARTITION COEFFICIENT (N-OCTANOL/WATER):	N.A.	
AUTO-IGNITION TEMPERATURE:	N.A.	
DECOMPOSITION TEMPERATURE:	N.A.	
KINEMATIC VISCOSITY AT 100°C	N.A.	
KINEMATIC VISCOSITY AT 40°C	18.6 cSt	(ASTM D445)
EXPLOSIVE PROPERTIES	N.A.	
OXIDIZING PROPERTIES	N.A.	
FLAMMABILITY (SOLID, GAS)	N.A.	

9.2. OTHER INFORMATION

CHEMICAL-PHYSICAL PROPERTY	VALUE	METHOD
SUBSTANCE GROUPS RELEVANT PROPERTIES	N.A.	
MISCIBILITY	N.A.	
CONDUCTIVITY	N.A.	

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FREEZING POINT:	N.A.
POUR POINT	N.A.
DROPPING POINT	N.A.

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Read carefully all information provided in other sections of heading 10.

CHEMICAL STABILITY

The product is stable under normal conditions of use.

POSSIBILITY OF HAZARDOUS REACTIONS

Not expected under normal conditions of use.

CONDITIONS TO AVOID

This product must be kept far from heat sources. In any case, avoid exposing product to temperatures above the flash point.

INCOMPATIBLE MATERIALS

Strong oxidizing agents, hard acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon, compounds of sulphur, phosphorus, nitrogen and hydrogen sulfide.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:

Harmful if swallowed. Excessive exposure may cause central nervous system effects and kidney damage.

SKIN CORROSION OR IRRITATION:

This product is not classified in this hazard class, but prolonged or repeated skin contact sometimes may cause irritations and dermatitis.

SERIOUS EYE DAMAGE OR EYE IRRITATION:

This product is not classified in this hazard class, but direct contact may cause slight irritations.

RESPIRATORY SENSITIZATION:

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This product is not classified in this hazard class.

SKIN SENSITIZATION:

This product is not classified in this hazard class.

GERM CELL MUTAGENICITY:

Based on available data, the classification criteria are not met.

CARCINOGENICITY:

Based on available data, the classification criteria are not met.

REPRODUCTIVE TOXICITY:

Based on available data, the classification criteria are not met.

SPECIFIC TARGET ORGAN TOXICITY (STOT) – SINGLE EXPOSURE:

This product is not classified in this hazard class, but inhalation of mists and vapours generated at elevated temperatures sometimes may cause respiratory irritation.

SPECIFIC TARGET ORGAN TOXICITY (STOT) – REPEATED EXPOSURE:

This product is not classified in this hazard class.

ASPIRATION HAZARD:

The main risk connects to product ingestion is aspiration into lungs, caused from low viscosity. In this case, serious pulmonary damages can happen.

RESPIRATORY IRRITATION AND NARCOTIC EFFECTS:

This product is not classified in this hazard class, but inhalation of mists and vapours generated at elevated temperatures sometimes may cause respiratory irritation.

Toxicological Information of the Preparation

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

2,6-ditert-butyl-p-cresol a) acute toxicity LD50 Oral Rat > 2000.00000 mg/kg

LD50 Skin Rat > 2000.00000 mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity

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- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
Toxicological kinetics,
metabolism and distribution
information
- i) STOT-repeated exposure
- j) aspiration hazard

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY

Eco-Toxicological Information:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The available data on components are not sufficient to classify the mixture regarding to the terrestrial ecotoxicity.

List of Eco-Toxicological properties of the components

COMPONENT	IDENT. NUMB.	ECOTOX DATA
2,6-ditert-butyl-p-cresol	CAS: 128-37-0 - INDEX: 204-881-4	a) Aquatic acute toxicity : LC50 Fish = 0.46400 mg/L
		a) Aquatic acute toxicity : LC50 Algae green algae = 0.57700 mg/L
		a) Aquatic acute toxicity : EC50 Daphnia = 0.84000 mg/L

PERSISTENCE AND DEGRADABILITY

Data on biodegradability of product are not available.

N.A.

BIOACCUMULATIVE POTENTIAL

Not available.

N.A.

MOBILITY IN SOIL

As the dispersion in the environment may result in contamination of environmental matrix (soil, subsoil, surface water and groundwater), do not release in the environment.

N.A.

OTHER ADVERSE EFFECTS

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No effect known.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Prevent contamination of soil, drains and surface waters. Do not discharge in sewers, tunnels or water courses. Dispose in accordance with local or national regulations via authorised person/licensed waste disposal contractor.

The used product and its package have to be treated in accordance with the Hazardous Substances (Disposal) Notice 2017.

The package is disposed as waste only after it has been rendered incapable of containing any substance. 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.

Packages may be reused or recycled only if it has been treated to remove any residual contents of the hazardous substance.

SPECIAL PRECAUTIONS TO BE TAKEN DURING DISPOSAL

When the product or its dirty package are discharged as waste or deposited into a landfill, avoid at any time it come into contact with Class 1 or Class 5 products.

Take care that there is no ignition source in the vicinity of the disposal site at any time that is capable of igniting the substance. If the substance were to ignite accidentally, take care that no person, or place where a person may legally be, would be exposed to an unsafe level of heat radiation.

SECTION 14. TRANSPORT INFORMATION

UN NUMBER

N/A

UN PROPER SHIPPING NAME

ADR-Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical name: N/A

TRANSPORT HAZARD CLASS(ES)

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

PACKING GROUP, IF APPLICABLE

ADR-Packing Group: N/A

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IATA-Packing group: N/A
IMDG-Packing group: N/A

ENVIRONMENTAL HAZARDS

Toxic ingredients quantity: 0.00
Very toxic ingredients quantity: 0.00
Marine pollutant: No
Environmental Pollutant: No

SPECIAL PRECAUTIONS FOR USER

Road and Rail (ADR-RID):
ADR-Label: N/A
ADR - Hazard identification number: N/A
ADR-Special Provisions: N/A
ADR-Transport category (Tunnel restriction code): N/A

Air (IATA):
IATA-Passenger Aircraft: N/A
IATA-Cargo Aircraft: N/A
IATA-Label: N/A
IATA-Subsidiary hazards: N/A
IATA-Erg: N/A
IATA-Special Provisions: N/A

Sea (IMDG):
IMDG-Stowage Code: N/A
IMDG-Stowage Note: N/A
IMDG-Subsidiary hazards: N/A
IMDG-Special Provisions: N/A
IMDG-EMS: N/A

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE
N.A.

SECTION 15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT IN QUESTION

HSNO APPROVAL

HSR002606 Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents (Subsidiary Hazard) Group
Standard 2017

HSNO CONTROLS

Approved Handler

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No data available

Substances covered under this Group Standard will not require an approved handler.

NEW ZEALAND INVENTORY OF CHEMICALS (NZIOC)

All components are in compliance with the chemical inventory requirements.

REGULATORY REFERENCES

Hazardous Substances and New Organisms Act 1996 and following amended
Environmental Protection Authority Act 2011 and following amended
Hazardous Substances (Minimum Degrees of Hazard) Notice 2017
Hazardous Substances (Classification) Notice 2017
Hazardous Substances (Labelling) Notice 2017
Hazardous Substances (Safety Data Sheets) Notice 2017
Hazardous Substances (Disposal) Notice 2017
Hazardous Substances (Hazardous Property Controls) Notice 2017
Globally Harmonized System of Classification and Labelling of Chemicals (GHS, 5th revised edition)
Thresholds and Classifications Under the Hazardous Substances and New Organisms Act 1996 (January 2012)
Assigning a Product to a HSNO Approval (May 2013/Revised June 2014)
Labelling of Hazardous Substances: Hazard and Precautionary Information (January 2012 EPA0094)
Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-109-06)

SECTION 16. OTHER INFORMATION

The mineral base oils contained in this product are severely refined and are therefore not to be considered as carcinogen. They contain less than 3% DMSO extract according to IP 346 method ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London). Sheet complies with the criteria of Approved Code of Practice Under the HSNO Act 1996 and Global Harmonized System (GHS) standards.

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

This product must not be used in applications other than recommended without first seeking the advice of the Technical Department.

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This SDS cancels and replaces any preceding release.

This product must be stored, handled and used according to correct industrial hygienic practices and in compliance with laws in force.

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be

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considered as any guarantee of specific properties.

Key literature references and sources:
None

Caption about heading 3 and H-statements:

CODE	DESCRIPTION
H304	May be fatal if swallowed and enters airways.
H400	Very toxic to aquatic life.
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Description of the HSNO Classification codes used in section 2 or 3:

CODE	DESCRIPTION
6.1E (aspiration)	Aspiration hazard.
9.1A	Substances that are very ecotoxic in the aquatic environment.
9.1C	Substances that are harmful in the aquatic environment.
9.1D	Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.

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.
ADN: 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

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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: Keep away from heat

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.