

Page 1 of 12  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 09.05.2012 / 0009  
Replaces revision of / Version: 29.07.2011 / 0008  
Valid from: 09.05.2012  
PDF print date: 10.05.2012  
Gummi - Pflege 500mL Art.: 1538

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

#### 1.1 Product identifier

**Gummi - Pflege 500mL**  
**Art.: 1538**

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

**Relevant identified uses of the substance or mixture:**

Care product  
Sector of use [SU]:  
SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites  
SU21 - Consumer uses: Private households (=general public = consumers)  
SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
Chemical product category [PC]:  
PC31 - Polishes and wax blends  
PC35 - Washing and cleaning products (including solvent based products)  
Process category [PROC]:  
PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities  
PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  
Article Categories [AC]:  
AC99 - Not required.  
Environmental Release Category [ERC]:  
ERC 4 - Industrial use of processing aids in processes and products, not becoming part of articles  
ERC 8a - Wide dispersive indoor use of processing aids in open systems  
ERC 8d - Wide dispersive outdoor use of processing aids in open systems

#### **Uses advised against:**

No information available at present.

#### 1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH, Jerg-Wieland-Straße 4, D-89081 Ulm-Lehr  
Telephone (+49) 0731-1420-0, Fax (+49) 0731-1420-88

E-mail address of the competent person: [info@chemical-check.de](mailto:info@chemical-check.de), [k.schnurbusch@chemical-check.de](mailto:k.schnurbusch@chemical-check.de)

#### 1.4 Emergency telephone

**Advisory office in case of poisoning:**

**Telephone number of the company in case of emergencies:**

Tel.: (+49) 0731-1420-0

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### 2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)

Not determined

##### 2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments).

Flammable, R10

Xi, Irritant, R36

R67

#### 2.2 Label elements

##### 2.2.1 Labeling according to Regulation (EC) 1272/2008 (CLP)

GB

Page 2 of 12  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 09.05.2012 / 0009  
 Replaces revision of / Version: 29.07.2011 / 0008  
 Valid from: 09.05.2012  
 PDF print date: 10.05.2012  
 Gummi - Pflege 500mL Art.: 1538

Not determined  
**2.2.2 Labeling according to Directives 67/548/EEC and 1999/45/EC (including amendments).**



Symbols: Xi  
 Indications of danger:  
 Irritant  
 R-phrases:  
 10 Flammable.  
 36 Irritating to eyes.  
 67 Vapours may cause drowsiness and dizziness.  
 S-phrases:  
 2 Keep out of the reach of children.  
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 46 If swallowed, seek medical advice immediately and show this container or label.  
 51 Use only in well-ventilated areas.  
 56 Dispose of this material and its container to hazardous or special waste collection point.  
 Additions: n.a.

### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

## REGULATION (EC) No 648/2004

2-BROMO-2-NITROPROPANE-1,3-DIOL  
 BENZISOTHIAZOLINONE  
 METHYLISOTHIAZOLINONE

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

n.a.

### 3.2 Mixture

<b>Propan-2-ol</b>	
<b>Registration number (REACH)</b>	--
<b>Index</b>	603-117-00-0
<b>EINECS, ELINCS, NLP</b>	200-661-7
<b>CAS</b>	CAS 67-63-0
<b>content %</b>	20-30
<b>Classification according to Directive 67/548/EEC</b>	Highly flammable, F, R11 Irritant, Xi, R36 R67
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Remove person from danger area.  
 Supply person with fresh air and consult doctor according to symptoms.

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 09.05.2012 / 0009

Replaces revision of / Version: 29.07.2011 / 0008

Valid from: 09.05.2012

PDF print date: 10.05.2012

Gummi - Pflege 500mL Art.: 1538

### **Skin contact**

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

### **Eye contact**

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

### **Ingestion**

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

The following may occur:

Irritation of the eyes

Headaches

Dizziness

Narcotic effect.

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

n.c.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

CO<sub>2</sub>

Extinction powder

Water jet spray

Large fire:

Water jet spray / alcohol resistant foam

Cool container at risk with water.

#### **Unsuitable extinguishing media**

High volume water jet

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

In case of fire the following can develop:

Oxides of carbon

Toxic gases

Explosive vapour/air mixture

Dangerous vapours heavier than air.

In case of spreading near the ground, flashback to distance sources of ignition is possible.

### **5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary

Dispose of contaminated extinction water according to official regulations.

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

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

Ensure sufficient supply of air.

Remove possible causes of ignition - do not smoke.

Avoid inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping

### **6.2 Environmental precautions**

If leakage occurs, dam up.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.

If accidental entry into drainage system occurs, inform responsible authorities.

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

GB

Page 4 of 12  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 09.05.2012 / 0009  
 Replaces revision of / Version: 29.07.2011 / 0008  
 Valid from: 09.05.2012  
 PDF print date: 10.05.2012  
 Gummi - Pflege 500mL Art.: 1538

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.  
 Diluting with water is possible.  
 Flush residue using copious water.

### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

## SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### 7.1 Precautions for safe handling

#### 7.1.1 General recommendations

Ensure good ventilation.  
 Keep away from sources of ignition - Do not smoke.  
 Take measures against electrostatic charging, if appropriate.  
 Avoid contact with eyes or skin.  
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.  
 Observe directions on label and instructions for use.  
 Use working methods according to operating instructions.

#### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Keep out of access to unauthorised individuals.  
 Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").  
 Not to be stored in gangways or stair wells.  
 Store product closed and only in original packing.  
 Do not store with oxidizing agents.  
 Store in a well ventilated place.  
 Protect from direct sunlight and warming.

### 7.3 Specific end use(s)

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Chemical Name	Propan-2-ol		Content %:20-30
WEL-TWA:	400 ppm (999 mg/m <sup>3</sup> )	WEL-STEL:	500 ppm (1250 mg/m <sup>3</sup> )
BMGV:	---	Other information:	---

Chemical Name	Glycerine		Content %:
WEL-TWA:	10 mg/m <sup>3</sup> (mist)	WEL-STEL:	---
BMGV:	---	Other information:	---

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.  
 \*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

Propan-2-ol						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Long term	DNEL	888	mg/kg	(1 d)
Workers / employees	Human - inhalation	Long term	DNEL	500	mg/m <sup>3</sup>	

Page 5 of 12  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 09.05.2012 / 0009  
 Replaces revision of / Version: 29.07.2011 / 0008  
 Valid from: 09.05.2012  
 PDF print date: 10.05.2012  
 Gummi - Pflege 500mL Art.: 1538

Consumer	Human - dermal	Long term	DNEL	319	mg/kg	(1 d)
Consumer	Human - inhalation	Long term	DNEL	89	mg/m <sup>3</sup>	
Consumer	Human - oral	Long term	DNEL	26	mg/kg	(1 d)
	Environment - freshwater		PNEC	140,9	mg/l	
	Environment - marine		PNEC	140,9	mg/l	
	Environment - sediment, freshwater		PNEC	552	mg/kg	
	Environment - sediment, marine		PNEC	552	mg/kg	
	Environment - soil		PNEC	28	mg/kg	

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.  
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.  
 Applies only if maximum permissible exposure values are listed here.

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:  
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:  
 Chemical resistant protective gloves (EN 374).  
 Recommended  
 Protective gloves in butyl rubber (EN 374).  
 Protective hand cream recommended.

Skin protection - Other:  
 Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection:  
 If OES or MEL is exceeded.  
 Gas mask filter A (EN 14387), code colour brown  
 Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:  
 Not applicable

Additional information on hand protection - No tests have been performed.  
 In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.  
 Selection of materials derived from glove manufacturer's indications.  
 Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.  
 Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.  
 In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.  
 The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	White, Opaque
Odour:	Alcoholic
Odour threshold:	Not determined

Page 6 of 12  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 09.05.2012 / 0009  
 Replaces revision of / Version: 29.07.2011 / 0008  
 Valid from: 09.05.2012  
 PDF print date: 10.05.2012  
 Gummi - Pflege 500mL Art.: 1538

pH-value:	6,5 (20 )
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	100 °C
Flash point:	24 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	n.a.
Lower explosive limit:	0,9 Vol-%
Upper explosive limit:	12 Vol-%
Vapour pressure:	43 hPa (20°C)
Vapour density (air = 1):	Not determined
Density:	1 g/cm <sup>3</sup> (20°C)
Bulk density:	n.a.
Solubility(ies):	Not determined
Water solubility:	Soluble
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	No
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not determined
Oxidising properties:	No

## 9.2 Other information

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	49,2 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

See also Subsection 10.4 to 10.6.

Possible build up of flammable vapour/air mixture.

### 10.4 Conditions to avoid

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

### 10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

### 10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

## SECTION 11: Toxicological information

### Gummi - Pflege 500mL

Art.: 1538

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	t					n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.



Page 8 of 12  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 09.05.2012 / 0009  
 Replaces revision of / Version: 29.07.2011 / 0008  
 Valid from: 09.05.2012  
 PDF print date: 10.05.2012  
 Gummi - Pflege 500mL Art.: 1538

Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents., Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment							n.d.a.
Other adverse effects:							n.d.a.
Other ecotoxicological data:							According to the recipe, contains no AOX.

Propan-2-ol							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	9640	mg/l	(Pimephales promelas)		
Toxicity to daphnia:	EC50	48h	13299	mg/l	(Daphnia magna)		References
Toxicity to algae:	EC50	72h	>1000	mg/l	(Desmodesmus subspicatus)		
Persistence and degradability:		21d	95	%		OECD 301 E (Ready Biodegradability - Modified OECD Screening Test)	
Bioaccumulative potential:	Log Pow		0,05			OECD 107 (Partition Coefficient (n-octanol/water) - Shake Flask Method)	
Mobility in soil:	Koc		1,1				expert judgement
Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC10	18h	5175	mg/l	(Pseudomonas putida)	DIN 38412 T.8	
Toxicity to bacteria:	EC50		>1000	mg/l	(activated sludge)		
Water solubility:							Soluble

Glycerine							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	> 5000	mg/l	(Carassius auratus)		
Toxicity to fish:	LC50	96h	>1000 0	mg/l	(Leuciscus idus)		
Toxicity to daphnia:	EC50	24h	>1000 0	mg/l	(Daphnia magna)		
Toxicity to algae:	IC5	7d	>1000 0	mg/l	(Scenedesmus quadricauda)		



Page 9 of 12  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 09.05.2012 / 0009  
 Replaces revision of / Version: 29.07.2011 / 0008  
 Valid from: 09.05.2012  
 PDF print date: 10.05.2012  
 Gummi - Pflege 500mL Art.: 1538

Persistence and degradability:		14d	63	%		OECD 301 C (Ready Biodegradability - Modified MITI Test (I))	
Bioaccumulative potential:	Log Pow		-2,66				
Results of PBT and vPvB assessment							n.a.
Toxicity to bacteria:	EC5	16h	> 10000	mg/l	(Pseudomonas putida)		
Other ecotoxicological data:	BOD5		0,87	g/g			
Other ecotoxicological data:	COD		1,16	g/g			

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

07 01 04 other organic solvents, washing liquids and mother liquors

14 06 03 other solvents and solvent mixes

Recommendation:

Pay attention to local and national official regulations

E.g. dispose at suitable refuse site.

E.g. suitable incineration plant.

#### For contaminated packing material

Pay attention to local and national official regulations

Empty container completely.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

Untamminated packaging can be recycled.

Recommended cleaner:

Water

## SECTION 14: Transport information

### General statements

UN number: 1993

#### Transport by road/by rail (ADR/RID)

UN proper shipping name:

UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPYL ALCOHOL) (SPECIAL PROVISION 640E)

Transport hazard class(es):

3

Packing group:

III

Classification code:

F1

LQ (ADR 2011):

5 L

LQ (ADR 2009):

7

Environmental hazards:

Not applicable

Tunnel restriction code:

D/E

#### Transport by sea (IMDG-code)

UN proper shipping name:

FLAMMABLE LIQUID, N.O.S (ISOPROPYL ALCOHOL)

Transport hazard class(es):

3

Packing group:

III

EmS:

F-E, S-E

Marine Pollutant:

n.a

Environmental hazards:

Not applicable



Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 09.05.2012 / 0009  
 Replaces revision of / Version: 29.07.2011 / 0008  
 Valid from: 09.05.2012  
 PDF print date: 10.05.2012  
 Gummi - Pflege 500mL Art.: 1538

## Transport by air (IATA)

UN proper shipping name:

Flammable liquid, n.o.s (ISOPROPYL ALCOHOL)

Transport hazard class(es):

3



Packing group:

III

Environmental hazards:

Not applicable

## Special precautions for user

Persons employed in transporting dangerous goods must be trained.

All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

## Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Freighted as packaged goods rather than in bulk, therefore not applicable.

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

## SECTION 15: Regulatory information

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

For classification and labelling see Section 2.

Observe restrictions:

Yes

Comply with trade association/occupational health regulations.

Observe youth employment law (German regulation).

VOC (1999/13/EC):

~ 25% w/w

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

These details refer to the product as it is delivered.

Revised sections:

1, 2, 3, 8, 9, 11, 12, 14, 15, 16

The following statements are the indicated R-phrases / H-phrases and classification codes (GHS/CLP) for the ingredients (listed in Section 3).

10 Flammable.

11 Highly flammable.

36 Irritating to eyes.

67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Flam. Liq.-Flammable liquid

Eye Irrit.-Eye irritation

STOT SE-Specific target organ toxicity - single exposure - narcotic effects

## Any abbreviations and acronyms used in this document:

AC Article Categories

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOEL Acceptable Operator Exposure Level

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)

BCF Bioconcentration factor

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)

BHT	Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)
BMGV	Biological monitoring guidance value (EH40, UK)
BOD	Biochemical oxygen demand
BSEF	Bromine Science and Environmental Forum
bw	body weight
CAS	Chemical Abstracts Service
CESIO	Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques
CIPAC	Collaborative International Pesticides Analytical Council
CLP	Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
CMR	carcinogenic, mutagenic, reproductive toxic
COD	Chemical oxygen demand
CTFA	Cosmetic, Toiletry, and Fragrance Association
DMEL	Derived Minimum Effect Level
DNEL	Derived No Effect Level
DOC	Dissolved organic carbon
DT50	Dwell Time - 50% reduction of start concentration
DVS	Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)
dw	dry weight
e.g.	for example (abbreviation of Latin 'exempli gratia'), for instance
EC	European Community
ECHA	European Chemicals Agency
EEA	European Economic Area
EEC	European Economic Community
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EN	European Norms
EPA	United States Environmental Protection Agency (United States of America)
ERC	Environmental Release Categories
ES	Exposure scenario
etc.	et cetera
EU	European Union
EWC	European Waste Catalogue
Fax.	Fax number
gen.	general
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
GWP	Global warming potential
HET-CAM	Hen's Egg Test - Chorionallantoic Membrane
HGWP	Halocarbon Global Warming Potential
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IBC (Code)	International Bulk Chemical (Code)
IC	Inhibitory concentration
IMDG-code	International Maritime Code for Dangerous Goods
incl.	including, inclusive
IUCLID	International Uniform Chemical Information Database
LC	lethal concentration
LC50	lethal concentration 50 percent kill
LCLo	lowest published lethal concentration
LD	Lethal Dose of a chemical
LD50	Lethal Dose, 50% kill
LDLo	Lethal Dose Low
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
LQ	Limited Quantities
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.a.	not applicable
n.av.	not available
n.c.	not checked
n.d.a.	no data available
NIOSH	National Institute of Occupational Safety and Health (United States of America)
NOAEC	No Observed Adverse Effective Concentration

NOAEL No Observed Adverse Effect Level  
NOEC No Observed Effect Concentration  
NOEL No Observed Effect Level  
ODP Ozone Depletion Potential  
OECD Organisation for Economic Co-operation and Development  
org. organic  
PAH polycyclic aromatic hydrocarbon  
PBT persistent, bioaccumulative and toxic  
PC Chemical product category  
PE Polyethylene  
PNEC Predicted No Effect Concentration  
POCP Photochemical ozone creation potential  
ppm parts per million  
PROC Process category  
PTFE Polytetrafluorethylene  
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.  
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
SADT Self-Accelerating Decomposition Temperature  
SAR Structure Activity Relationship  
SU Sector of use  
SVHC Substances of Very High Concern  
Tel. Telephone  
ThOD Theoretical oxygen demand  
TOC Total organic carbon  
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)  
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))  
VOC Volatile organic compounds  
vPvB very persistent and very bioaccumulative  
WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).  
WHO World Health Organization  
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

**Chemical Check GmbH, Wöbbeler Straße 2-4, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90**

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.