

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

40-00.clp.eu

### 1.1 Product identifier

Trade name: **Repair Colour C**

Hue: All colors  
Reference-no.: 1040.000.03.V20  
Article-No.: --

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

This product may only be used in the manner provided. A liability for improper application is excluded.

#### Sector of Use:

SU 5 Manufacture of textiles, leather, fur  
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

#### Product category:

PC9a Coatings and paints, thinners, paint removers  
PC23 Leather tanning, dye, finishing, impregnation and care products

#### Process category:

PROC 7 Industrial spraying  
PROC10 Roller application or brushing  
PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises

#### Environmental release category:

ERC5 Industrial use resulting in inclusion into or onto a matrix  
ERC11b Wide dispersive indoor use of long-life articles and materials with high or intended release (including abrasive processing)  
ERC8a Wide dispersive indoor use of processing aids in open systems

Article category: -

#### Application of the substance / the preparation:

For professional use only.



(Please note the application instructions.)

Paint for leather-stuff.

Uses advised against: Of an application on textiles is discouraged.

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

#### Manufacturer / Supplier:

LCK GmbH  
Im Unterfeld 2  
D-76698 Ubstadt-Weiher

Informing department: Product-Development: ☎ ++49 - 7251 / 9625 - 0 (info@lederpflege.de)

### 1.4 Emergency telephone number

Manufacturer / Supplier: Laboratory: ☎ ++49 - 7251 / 9625 - 0 (08:00 - 16:30)

#### Poison Control Center:

England and Wales: Scotland: Republic of Ireland:  
☎ NHS Direct - 0845 4647 NHS 24 - 08454 24 24 24 01 809 2166

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP]: The product is not classified according to the CLP regulation.

#### Classification according to Directive 67/548/EEC or Directive 1999/45/EC [DSD/DPD]:

Not hazardous materials in accordance with the EC-preparation-guideline.

#### Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.

#### Classification system:

The classification complies with current EC lists. This was complemented by information from technical literature and from own studies.

### 2.2 Label elements

The labeling of the product is currently being switched to CLP.

There may still be packagings with a DPD labeling in circulation.

Labelling according to Regulation (EC) No 1272/2008 [CLP]: Void

Hazard pictograms Void

Signal word: Void

Hazard statements Void

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**Additional information:**  
EUH210 Safety data sheet available on request.

**Labelling of packages where the contents do not exceed 125 ml:**

**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:** Void

**2.3 Other hazards** There are no other hazards known.  
**Results of PBT and vPvB assessment:** Not applicable.

### SECTION 3: Composition/information on ingredients

**3.1 Chemical characterisation: Substances -**

**3.2 Chemical characterisation: Mixtures**

**Description:** Watersoluble paint based on PU.

**Dangerous components:**

CAS No.	Designation / Identification	%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25-	Propan-2-ol ☒ Xi R36; ☒ F R11 R67 ☒ Flam. Liq. 2, H225; ☒ Eye Irrit. 2, H319; STOT SE 3, H336	5-<10%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36-	2-Butoxyethanol ☒ Xn R20/21/22; ☒ Xi R36/38 ☒ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-<3%

**Other ingredients: .**

CAS No.	Designation / Identification	%
	Polyacrylate	5-<10%
30662-91-0	Polyurethane resin, linear	3-5%
7732-18-5	Water, distilled, conductivity or of similar purity	50-75%

**By suppliers unidentified ingredients:**

Designation	%
Pigment	3-5%


**SVHC (Substances of Very High Concern):** Contains no listed substances.

**Additional information:** More informations about the ingredients can be found at [www.dguv.de / find\\_ifa / en / gestis / stoffdb / index.jsp](http://www.dguv.de/find_ifa/en/gestis/stoffdb/index.jsp).

### SECTION 4: First aid measures

**4.1 Description of first aid measures**

**General information:**

 Remove the victim immediately from the danger area.  
If the patient is unwell consult a doctor and present this data sheet.

**After inhalation:** Supply fresh air; consult doctor in case of symptoms.

**After skin contact:** The product does not, generally speaking, cause skin irritation. Wash with water and soap and rinse well.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** In case of persistent symptoms consult doctor.

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


**Information for doctor:** None.

**4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing agents:**

 CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

**For safety reasons unsuitable extinguishing agents:** None.

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

In case of fire the following gases are released:  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)  
Formation of toxic gases is possible during heating or in case of fire.

**5.3 Advice for firefighters**

**Protective equipment:** No special measures required.  
**Fire fighting information:** Cool containers with water jet. Transport containers can burst explosively due to severe heat.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures** Special protection measures are not required.

**6.2 Environmental precautions** Gases / vapors / mists with water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.

**6.4 Reference to other sections**

No dangerous materials are released.  
See Section 7 for information on safe handling.  
See Section 8.2 for information on personal protection equipment.  
See Section 13 for information on disposal.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling:** No special measures required.

**Information about protection against explosions and fires:** No special measures required.

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

**Storage**

**Requirements to be met by storerooms and containers:** Store only in the original container.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:**



Protect against frost, severe exposure to the sun and contaminants.

**Maximum storage temperature:** 35 °C

**Minimum storage temperature:** 8 °C

**Recommended storage temperature:** 10 °C to 35 °C

**Storage class:** 10

**7.3 Specific end use(s):** The product intended solely for the application stated in the product description. (See section 1.2)

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

**Additional information about design of technical systems:** No further data see item 7.

**8.1 Control parameters**

**Components with critical values that require monitoring at the workplace:**

**DNELs:** The values given for the "Derived-No-Effect-Level" are calculated for private consumers.

CAS No. Designation of material		
<b>67-63-0 Propan-2-ol</b>		
Oral	DNEL	26 mg/human/day (men)
Dermal	DNEL	319 mg/kg/day (men)
Inhalative	DNEL	89 mg/m <sup>3</sup> (men)
<b>111-76-2 2-Butoxyethanol</b>		
Oral	DNEL	13.4 mg/human/day (men)
Dermal	DNEL	38 mg/kg/day (men)
Inhalative	DNEL	49 mg/m <sup>3</sup> (men)

**PNECs:** All data apply to individual ingredients.

CAS No. Designation of material	
<b>67-63-0 Propan-2-ol</b>	
PNEC	28 mg/kg (Ground)

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	140.9 mg/l (Freshwater)
<b>111-76-2 2-Butoxyethanol</b>	
PNEC	8.14 mg/l (Ground)
	2.8 mg/kg (Ground)
	8.8 mg/l (Freshwater)

Workplace exposure limits: United Kingdom / EU

CAS No.	Designation of material	Type	Value	Unit
<b>67-63-0 Propan-2-ol</b>				
WEL (Great Britain)			Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm	
<b>111-76-2 2-Butoxyethanol</b>				
WEL (Great Britain)			Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 123 mg/m <sup>3</sup> , 25 ppm Sk, BMGV	
IOELV (European Union)			Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 98 mg/m <sup>3</sup> , 20 ppm Skin	

Ingredients with biological limit values:

CAS No.	Designation of material	Type	Value	Unit
<b>111-76-2 2-Butoxyethanol</b>				
BMGV (Great Britain)			240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid	

Additional information: The applicable national list was used as the basis for the preparation and / or revision of this safety data sheet.

## 8.2 Exposure controls

**8.2.0 Personal protective equipment:** There is no protective equipment required.

**8.2.1 General protective and hygienic measures:**



Wash hands during breaks and at the end of the work.

Use a moisturising skin cream after processing the product.

**8.2.2 Breathing equipment:** Not required.

- Recommended filter device for short term use [ $< 15$  Min]:

Filter FFP2

Combination filter AX-P2

- Recommended filter device for commercial use [ $< 15$  min]: Combination filter AX-P2

**8.2.3 Protection of hands:**



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material:** The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

0,2 - 0,4 mm;  $\leq$  120 min.

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

- **For the permanent contact gloves made of the following materials are suitable:**

0,5 - 0,7 mm; 120 - 240 min.

PVC or PE gloves

Plastic gloves

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

**For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Rubber gloves

Synthetic gloves

PVC or PE gloves

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- Not suitable are gloves made of the following materials:



Strong gloves

8.2.4 Eye protection:



Safety glasses.

Safety glasses recommended during refilling.  
When spraying goggles or face mask.

8.2.5 Body protection:



Protective work clothing.

Light weight protective clothing

8.3 Risk management measures:

There are no measures established for the risk management of ingredients according to Article 32 of Regulation (EC) No 1907/2006.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

#### Appearance:

Form:	Liquid
Colour:	According to product specification
Smell:	Characteristic
Odour threshold:	Not determined.
pH-value at 20 °C:	8 (DIN 51369)

#### Change in condition:

Boiling point/Boiling range:	100 °C (DIN)
Flash point:	39 °C (DIN ISO 2592)
Fire behavior:	The product doesn't support combustion.
Ignition temperature:	425 °C (DIN 51794)

Decomposition temperature:	Not determined.
Self-flammability:	The product is not selfigniting.
Danger of explosion:	Product is not explosive.
Critical values for explosion:	[Highest / lowest value of individual components]
Lower:	1.1 Vol % (DIN 51649)
Upper:	10.6 Vol % (DIN 51649)
Oxidizing properties:	Product is not oxidizing.
Steam pressure at 20 °C:	23 hPa (DIN 51640) [Value is calculated]
Density at 20 °C:	1.02 g/cm <sup>3</sup> (DIN 51757)
Settled apparent density:	Not applicable.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	Not determined.
kinematic at 20 °C:	19.4 s (DIN 53211/4)
Solvent separation test:	< 3 % (UN Manual III, 32.5.1) Not applicable.

Liquid constituents:	
Flammable componentes:	9.6 %

### 9.2 Other informations

VOC (EU):	97.9 g/l
VOC (EU):	9.63 %
Remark:	The product is not subject to the VOC Directive 2004/42 EU.

## SECTION 10: Stability and reactivity

10.1 Reactivity: This product has no / low chemical reactivity.

10.2 Chemical stability: The product is in compliance with the storage and processing conditions, chemically stable.

Conditions to be avoided: No decomposition when properly applied and stored.

10.3 Possibility of hazardous reactions: No dangerous reactions known

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**10.4 Conditions to avoid:** See section 7.2

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** If handled and stored properly dangerous products of decomposition are not to be expected.

**Additional information:** There is no risk of decomposition or uncontrolled chemical reaction when the specified application conditions are complied with.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:**

With this product no toxicological studies were performed on living organisms. The following data are literature values of individual ingredients that have no claim to completeness.

Components		
Type	Value (Species)	
<b>Polyacrylate</b>		
Oral	LD 50	> 5000 mg/kg (rat)
<b>67-63-0 Propan-2-ol</b>		
Oral	LD 50	4570 mg/kg (rat) Manufaktor
Dermal	LD 50	13400 mg/kg (Rabbit)
Inhalative	LC 50/4	30 mg/l/4h (rat)
<b>30662-91-0 Polyurethane resin, linear</b>		
Oral	LD 50	>2000 mg/kg (rat)
<b>111-76-2 2-Butoxyethanol</b>		
Oral	LD 50	1746 mg/kg (rat)
Dermal	LD 50	2270 mg/kg (Rabbit)
Inhalative	LC 50/4	450 mg/l/4h (rat)

**Specific symptoms in biological assay:** We do not have any knowledge of this.

**Primary irritant effect:**

**on the skin:**

No primary irritant effect.

Skin irritation possible due to drying effect.

**on the eye:** No primary irritant effect.

**Sensitisation:** No sensitizing substances were added to the product.

**Subacute to chronic toxicity:**

**Result:** Repeated or prolonged skin contact may cause defatting of the skin and cause dermatitis. The skin can become sensitive to other irritants.

**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

**Repeated dose toxicity:** Not tested.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** The product contains no CMR-substances.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity:** The following values were obtained from the literature.

CAS	Chemical name
Type of test	Effective concentration (Species)
<b>Polyacrylate</b>	
LC 0/96h	> 200 mg/l (Oncorhynchus mykiss [rainbow trout])
LC 50/48h	> 200 mg/l (Daphnia magna)
<b>67-63-0 Propan-2-ol</b>	
EC 50/48h	13299 mg/l (Daphnia magna)
LC 50/96h	> 1000 mg/l (Desmodemus subspicatus)
	9640 mg/l (Pimephales promelas)

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**111-76-2 2-Butoxyethanol**

EC 50/24h	1720 mg/l (Daphnia magna)
EC 50/72h	911 mg/l (Selenastrum capricornutum)
LC 50/96h	1490 mg/l (Lep)

**12.2 Persistence and degradability**

Evaluation text: We do not have any data on this point.  
Other information: The product is moderately biologically degradable

**12.3 Bioaccumulative potential** The following data were taken from the literature.

CAS	Chemical name	Type of test	Effective concentration
<b>67-63-0 Propan-2-ol</b>			
Bioakkumulation			0.05 log Pow (n.a)
<b>111-76-2 2-Butoxyethanol</b>			
Bioakkumulation			0.81 log Pow (n.a)

**12.4 Mobility in soil** No further relevant information available.  
Other information: We do not have any data on this point.

**12.5 Ecotoxicological effects:**  
Remark: No data available.

**12.5.1 Behaviour in sewage processing plants:**

Type of test	Effective concentration	Method	Assessment
<b>67-63-0 Propan-2-ol</b>			
Abbaubarkeit (28d)	> 95 % (Bio-sludge)	(OECD 301 E)	
<b>111-76-2 2-Butoxyethanol</b>			
Abbaubarkeit (28d)	> 95 % (Bio-sludge)	(OECD 301 E)	

Comment: The product does not impair the operation of a sewage plant.  
Other information: None.

**12.5.2 Additional ecological informations:**

COD-value: .

CAS	Chemical name	Measurements
<b>Polyacrylate</b>		
CSB (COD)		300 mg O <sub>2</sub> /g (-)

BOD-value: No data available.

**12.5.3 According to recipe contains the following heavy metals and compounds according to EC guideline NO. 2006/11 EC:** None

**12.6 Results of PBT and vPvB assessment** No effects.

**12.7 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation:**  
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements.  
**Waste disposal key number:**

**A** The classification in a waste code according to the european waste catalogue (EWC) is to be made in accordance with the regional responsible for waste disposal.  
(1. Product, 2. Container, 3. Overpack)

European waste catalogue:	
20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 27*	paint, inks, adhesives and resins containing dangerous substances
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 10*	packaging containing residues of or contaminated by dangerous substances
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)

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15 01 01 | paper and cardboard packaging

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**Uncleaned packagings:**

**Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

**Recommended cleaning agent:**

Cleaning by recycler.

Water, if necessary with cleaning agent.

**Cleaned / completely emptied packaging:**



Packaging which does not exhibit any harmful adhering products (e.g. cured or cleaned) can be sent for reprocessing.

## SECTION 14: Transport information

**14.1 UN-Number**

ADR, ADN, IMDG, IATA

Void

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA

Void

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class

Void

**14.4 Packing group:**

ADR, IMDG, IATA

Void

**14.5 Environmental hazards:**

Marine pollutant:

No

**14.6 Special precautions for user:**

Segregation groups

Not applicable.

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**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the**

IBC Code:

Not applicable.

**14.8 Transport/Additional information:**

ADR

Remarks:

No dangerous good according to the upper transport-regulations.

Kein Gefahrgut ADR-Ausnahme 2.2.3.1.4 [Viskositätskriterien]

IMDG

Remarks:

None.

IATA

Comments:

Please note the general packing instructions of IATA / ICAO.

PI Ltd Qty:

PI Pass.:

PI Cargo:

**14.9 UN "Model Regulation":**

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## SECTION 15: Regulatory information

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

**REACH Annex XVII:** The ingredients are not listed.

**National regulations:** National regulations are to be determined by the user's own responsibility.

**United Kingdom:** National regulations are unknown.

**15.2 Chemical safety assessment** For ingredients with an ECHA-registration are Chemical Safety Assessments available.

## SECTION 16: Other information

The above details are based on the latest state of our knowledge. Processing notes for this product are listed in a technical data sheet.

Existing laws, decrees and regulations, even those which are not stated in this data sheet are to be complied by the recipient of our products at his own responsibility.

**Reasons for changes:** Updating of data.

**Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

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H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
R11 Highly flammable.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R67 Vapours may cause drowsiness and dizziness.


#### Training hints

 In case of commercial use, employees are to be informed about the potential dangers every year.

#### Other substance listings:

**GADSL - Global Automotive Declarable Substance List:** The ingredients are not listed.

**Department issuing data specification sheet:**  
info@sifa-ing-petry.de

 Ing-Büro J. Petry  
Hans-Thoma-Str. 20  
D-76327 Pfinztal-Berghausen  
☎ +49-(0)721 - 946 32 61  
info@sifa-ing-petry.de

**Contact:** Herr Petry Tel: ++49 7251 - 960 944

#### Note:

The information about ingredients given in this data sheet is based on the information of our suppliers of raw materials. Despite careful handling, the completeness and correctness of these data can not be guaranteed. This is especially true for substances below their declaration limit and for substances without classification or without attribution to a CAS number.  
Physical data were identified by the manufacturer of this product. They represent no assurance of product characteristics and establish no legal contractual relationship.  
The validity of this safety data sheet expires one year after its release.

#### Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
IOELV: Indicative Occupational Exposure Limit Value (EU)  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Flam. Liq. 2: Flammable liquids, Hazard Category 2  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

[\*] Those chapters marked with (\*) were changed to the previous version of this MSDS.