

## SAFETY DATA SHEET

According to REACH Regulation (EC) No  
1907/2006, as amended by UK REACH  
Regulations SI 2019/758



We create chemistry

### P-P-31 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 03.01.2025
3.0	20.02.2025	000000000050734 567	Date of first issue: 25.04.2024

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

### 1.1 Product identifier

Trade name : P-P-31 5L 5L Plastic jerricans

Product code : 000000000050734567

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

Use of the : Spraying  
Substance/Mixture : Coatings and related products

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

**Company:**

BASF Coatings GmbH  
Postfach 6123  
48136 Münster  
Deutschland

**Contact address:**

BASF plc  
4th and 5th Floors, 2 Stockport Exchange  
Railway Road, Stockport, SK1 3GG  
United Kingdom

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Telephone: +44 161 475 3000  
E-mail address: product-safety-uk-and-ireland@basf.com

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#### 1.4 Emergency telephone

International emergency number:  
Telephone: +49 180 2273-112

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Flammable liquids, Category 3

H226: Flammable liquid and vapor.

Serious eye damage, Category 1

H318: Causes serious eye damage.

### 2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :



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Signal Word : Danger

Hazard Statements : H226 Flammable liquid and vapor.  
H318 Causes serious eye damage.

Precautionary Statements :

**Prevention:**

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/ hearing protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

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Continue rinsing. Immediately call a POISON  
CENTER/ doctor.

P370 + P378 In case of fire: Use dry sand, dry chemical  
or alcohol-resistant foam to extinguish.

#### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Hazardous ingredients which must be listed on the label:

propan-1-ol

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : organic solvent  
Water

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**Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
propan-1-ol	71-23-8 200-746-9 603-003-00-0 UK-20- 0537843089-5- 0000 UK-20- 9642318150-0- 0000	Flam. Liq. 2; H225 Eye Dam. 1; H318 STOT SE 3; H336 (Central nervous system)	>= 15 - < 20
1-methoxypropan-2-ol	107-98-2	Flam. Liq. 3; H226	>= 3 - < 5

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	203-539-1	STOT SE 3; H336	
	603-064-00-3	(Central nervous system)	
	UK-20- 2749242067-7- 0000		
	UK-20- 9702550300-0- 0000		
	UK-20- 0537843089-5- 0000		
	UK-20- 9642318150-0- 0000		

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

General advice : First aid personnel should pay attention to their own

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safety.

If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

Immediately remove contaminated clothing.

In all cases of doubt, or when symptoms persist, seek medical attention.

Move out of dangerous area.

Never give anything by mouth to an unconscious person.

If inhaled

: If symptoms persist, call a physician.

If breathed in, move person into fresh air.

If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact

: If symptoms persist, call a physician.

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Do NOT use solvents or thinners.

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In case of eye contact : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Call a physician immediately.

If easy to do, remove contact lens, if worn.

If swallowed : If symptoms persist, call a physician.

Do NOT induce vomiting.

Rinse mouth.

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

Symptoms : Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.



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Risks : Causes serious eye damage.

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

Treatment : No known specific antidote.  
Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Water spray jet  
Dry powder  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire : Hazardous decomposition products formed under fire fighting conditions.

#### 5.3 Advice for firefighters

Special protective : Appropriate breathing apparatus may be required.  
equipment for fire-fighters

Further information : In the event of fire, cool tanks with water spray.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

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## SECTION 6: Accidental release measures

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

Personal precautions : Avoid breathing vapours.

Keep away from sources of ignition.

Advice on product handling can be found in sections 7  
and 8 of this safety data sheet.

For non-emergency personnel:

For emergency responders:

Use personal protective equipment.

Ensure adequate ventilation, especially in confined  
areas.

### 6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the  
environment.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains

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inform respective authorities.

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

Methods for cleaning up : Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

#### 6.4 Reference to other sections

For disposal considerations see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in

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application area. For personal protection see section 8.  
Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.  
Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that

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operators should wear antistatic clothing and footwear.  
The relevant fire protection measures should be noted.  
Use explosion-proof equipment. Vapors are heavier than  
air and may spread along floors. Vapors may form  
explosive mixtures with air.

Hygiene measures : Remove contaminated clothing immediately and dispose  
of safely. Wash hands before breaks and at the end of  
workday. Keep away from food, drink and animal  
feedingstuffs.

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

Further information on storage conditions : Keep away from heat. Avoid direct sunlight. Close  
containers carefully once opened and store them  
upright in order to prevent any leakage. No smoking. No  
admission for unauthorised personnel. Always keep in  
containers of same material as the original one. Observe  
label precautions. Store protected against freezing. Keep  
in a dry, cool and well-ventilated place.

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Advice on common storage : Acids

Segregate from acids and acid forming substances.

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Recommended storage : 5.00 - 35.00 °C  
temperature

#### 7.3 Specific end use(s)

Specific use(s) : Please refer to the technical leaflet for further information.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

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Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propan-1-ol	71-23-8	TWA	200 ppm 500 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	250 ppm 625 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
1-methoxypropan-2-ol	107-98-2	STEL	150 ppm 560 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal			



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	absorption will lead to systemic toxicity.			
		TWA	100 ppm 375 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	150 ppm 568 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	100 ppm 375 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			

#### 8.2 Exposure controls

##### Engineering measures

Ensure adequate ventilation.

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#### Personal protective equipment

Eye/face protection : Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Required when there is a risk of eye contact.

Hand protection

Remarks : Processes should be designed in such a way, that only disposable gloves against splashes are required, e.g. nitrile or neoprene gloves. In case of regular or extensive contact, a protection glove certified according to EN ISO 374-1 and made of butyl rubber (material thickness 0.5 mm) or nitrile rubber (material thickness 0,35 mm) or fluorinated rubber (material thickness 0,5 mm) is recommended. Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Skin and body protection : Anti-static protective clothing

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant

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synthetic fibres.

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Color	:	colorless
Odor	:	alcohol-like
pH	:	10.0 - 11.0
Melting point/ range	:	not determined
Boiling point/boiling range	:	86 °Cnot determined
Flash point	:	> 35 °C
		Method: ISO 3679
Upper explosion limit /	:	not determined

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Upper flammability limit

Lower explosion limit /  
Lower flammability limit : > 35.0 g/m<sup>3</sup>

Vapor pressure : 27.6000 hPa (20 °C)  
  
168.2000 hPa (50 °C)

Relative vapor density : Lighter than air.

Density : 0.975 g/cm<sup>3</sup> (20 °C)

Solubility(ies)  
Water solubility : not determined

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Partition coefficient: n-  
octanol/water : not applicable for mixtures

Autoignition temperature : > 200 °C

Decomposition  
temperature : No decomposition if stored and handled as  
prescribed/indicated.

Viscosity  
Viscosity, kinematic : 6.0 mm<sup>2</sup>/s (23 °C)

(40 °C)

not determined

Flow time : < 30 s at 23 °C

Cross section: 3 mm

Method: ISO 2431

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Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

#### 9.2 Other information

Flammability (liquids) : Flammable liquid and vapour.

Self-heating substances : The substance or mixture is not classified as self heating.

Metal corrosion rate : Not corrosive to metals.

Particle size : The substance / product is marketed or used in a non solid or granular form.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form ignitable mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Avoid direct sunlight.

Protect from frost.

Heat.

### 10.5 Incompatible materials

Materials to avoid : Acids

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.



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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified due to lack of data.

#### Skin corrosion/irritation

Not classified due to lack of data.

#### Serious eye damage/eye irritation

Causes serious eye damage.

#### Respiratory or skin sensitization

##### Skin sensitization

Not classified due to lack of data.

##### Respiratory sensitization

Not classified due to lack of data.

#### Germ cell mutagenicity

Not classified due to lack of data.

#### Carcinogenicity

Not classified due to lack of data.

#### Reproductive toxicity

Not classified due to lack of data.

#### STOT-single exposure

Not classified due to lack of data.

#### STOT-repeated exposure

Not classified due to lack of data.

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#### Aspiration toxicity

Not classified due to lack of data.

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

##### propan-1-ol:

Partition coefficient: n- : log Pow: 0.2 (25 °C)

octanol/water

Method: OECD Test Guideline 117

GLP: yes

##### 1-methoxypropan-2-ol:

Partition coefficient: n- : log Pow: -0.43 (25 °C)

octanol/water

GLP: no

Remarks: Information taken from reference works and  
the literature.

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#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6 Other adverse effects

**Product:**

Endocrine disrupting potential : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Product : Do not discharge into drains/surface

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waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging : Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC

Packaging that is not properly emptied must be disposed of as the unused product.

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## SECTION 14: Transport information

### 14.1 UN number

ADN : UN 1993

ADR : UN 1993

RID : UN 1993

IMDG : UN 1993

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IATA : UN 1993

#### 14.2 UN proper shipping name

ADN : FLAMMABLE LIQUID, N.O.S.  
| (PROPAN-1-OL/N-PROPANOL)

ADR : FLAMMABLE LIQUID, N.O.S.  
| (PROPAN-1-OL/N-PROPANOL)

RID : FLAMMABLE LIQUID, N.O.S.  
| (PROPAN-1-OL/N-PROPANOL)

IMDG : FLAMMABLE LIQUID, N.O.S.  
| (PROPAN-1-OL/N-PROPANOL)

IATA : FLAMMABLE LIQUID, N.O.S.  
| (PROPAN-1-OL/N-PROPANOL)

#### 14.3 Transport hazard class(es)

Class	Subsidiary risks
-------	------------------

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**ADN** : 3

**ADR** : 3

**RID** : 3

**IMDG** : 3

**IATA** : 3

#### 14.4 Packing group

##### **ADN**

Packing group : III

Classification Code : F1

Hazard Identification : 30  
Number

Labels : 3

##### **ADR**

Packing group : III

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Classification Code : F1

Hazard Identification : 30  
Number

Labels : 3

Tunnel restriction code : (D/E)

#### RID

Packing group : III

Classification Code : F1

Hazard Identification : 30  
Number

Labels : 3

#### IMDG

Packing group : III

Labels : 3

EmS Code : F-E, S-E

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#### IATA (Cargo)

Packing instruction (cargo : 366  
aircraft)

Packing instruction (LQ) : Y344

Packing group : III

Labels : Flammable Liquids

#### IATA (Passenger)

Packing instruction : 355  
(passenger aircraft)

Packing instruction (LQ) : Y344

Packing group : III

Labels : Flammable liquid

#### 14.5 Environmental hazards

##### ADN

Environmentally : no



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hazardous

#### ADR

Environmentally : no  
hazardous

#### RID

Environmentally : no  
hazardous

#### IMDG

Marine pollutant : no

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

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### SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

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UK REACH List of restrictions (Annex 17)	: Conditions of restriction for the following entries should be considered:
	Number on list 3

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	: Not applicable
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The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	: Not applicable
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Regulation (EC) on substances that deplete the ozone layer	: Not applicable
--	------------------

UK REACH List of substances subject to authorisation (Annex XIV)	: Not applicable
--	------------------

Control of Major Accident Hazards Regulations 2015 (COMAH)	P5c	FLAMMABLE LIQUIDS
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Volatile organic compounds : Volatile organic compounds (VOC) content: 198 g/l

Directive 2010/75/EU of 24 November 2010 on  
industrial emissions (integrated pollution prevention and  
control)

Volatile organic compounds (VOC) content: 19.94 %

#### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999  
(requirements relating to new and expectant mothers at work contained in Regulation  
16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999  
(requirements relating to protection of young people at work contained in Regulation  
19) and of Directive 94/33/EC on the protection of young people at work.

Details relating to the VOC Directive 2004/42/EC:

Subcategory as indicated in Annex IIB:

a

Limit value for maximum VOC content as specified in Annex IIB:

200 g/l

VOC content of the ready-for-use product according to ISO 11890-2:

186 g/l

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#### 15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

#### SECTION 16: Other information

##### Full text of H-Statements

H225	: Highly flammable liquid and vapor.
H226	: Flammable liquid and vapor.
H318	: Causes serious eye damage.
H336	: May cause drowsiness or dizziness.

##### Full text of other abbreviations

Eye Dam.	: Serious eye damage
Flam. Liq.	: Flammable liquids
STOT SE	: Specific target organ toxicity - single exposure
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits

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2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short term exposure limit
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	: Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation

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(EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

Other information : For multi-pack systems observe material safety data sheets of all components.  
Restricted to professional users.

#### Classification of the mixture:

Flam. Liq. 3 H226

Eye Dam. 1 H318

#### Classification procedure:

Based on product data or assessment

Calculation method

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