

## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1. Product identifier:**

**K2 BRAKE CALIPER PAINT**

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

Lacquer for consumer, professional use.

**1.3. Details of the supplier of the safety data sheet:**

Information about the distributor:

**AUTODOC SE**

Josef-Orlopp-Str. 55, 10365 Berlin

Germany

Tel: +49 30 2202 6998

Information about the manufacturer:

Melle Sp. z o. o.

Stary Staw 9

63-400 OSTRÓW WLKP

Poland

Tel.: +48 62 737 88 46

E-mail: [zakupy@inter-global.com.pl](mailto:zakupy@inter-global.com.pl)

**1.3.1. Responsible person:**

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E-mail:

[info1@autodoc.de](mailto:info1@autodoc.de)

**1.4. Emergency telephone number:**

**United Kingdom: National Poisons Information Service (NPIS)**

NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales) – dial 111

In Northern Ireland contact your local GP

Healthcare Professionals: UK NPIS 0344 892 0111

**Belgium:**

**Belgian Poison Control Center**

Tel: 070 245 245 (free of charge)

8002 5500, from the Grand Duchy of Luxembourg

### SECTION 2: HAZARDS IDENTIFICATION

**2.1. Classification of the substance or mixture:**

Classification according to Regulation (EC) No 1272/2008 (CLP):

Aerosols, Hazard Category 1 – H222; H229

Serious eye damage/eye irritation, Hazard Category 2 – H319

Specific target organ toxicity – Single exposure, Hazard Category 3, Narcosis – H336

**Hazard statements:**

**H222** – Extremely flammable aerosol.

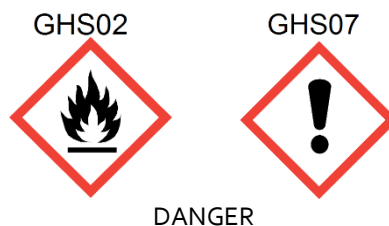
**H229** – Pressurised container: May burst if heated.

**H319** – Causes serious eye irritation.

**H336** – May cause drowsiness or dizziness.

## 2.2. Label elements:

Components that define the hazards: Acetone; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics



### Hazard statements:

**H222** – Extremely flammable aerosol.  
**H229** – Pressurised container: May burst if heated.  
**H319** – Causes serious eye irritation.  
**H336** – May cause drowsiness or dizziness.

### Precautionary statements:

**P102** – Keep out of reach of children.  
**P210** – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
**P211** – Do not spray on an open flame or other ignition source.  
**P251** – Do not pierce or burn, even after use.  
**P260** – Do not breathe spray.  
**P271** – Use only outdoors or in a well-ventilated area.  
**P410 + P412** – Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
**P501** – Dispose of contents/container in accordance with applicable regulations.

**EUH 066** – Repeated exposure may cause skin dryness or cracking.

## 2.3. Other hazards:

The product has no other known specific hazards for human or environment.  
 Results of PBT and vPvB assessment: Not applicable.  
 Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances:

Not applicable.

### 3.2. Mixtures:

Hazardous ingredients:

Description	CAS number	EC number / ECHA list number	REACH registration number	Conc. (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)		
					Pictogram, signal word code(s)	Hazard class and category code(s)	Hazard statement code(s)
<b>Acetone*</b> Index number: 606-001-00-8	67-64-1	200-662-2	01-2119471330-49	<60	GHS02 GHS07 Danger	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336 EUH066
<b>Propane*</b> Index number: 601-003-00-5	74-98-6	200-827-9	-	<20	GHS02 GHS04 Danger	Flam. Gas 1A Press. Gas (Comp.)	H220 H280
<b>Hydrocarbons, C9- C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics**</b>	-	919-857-5	01-2119463258-33	<20	GHS07 GHS08 Danger	Asp. Tox. 1 STOT SE 3	H304 H336
<b>Isobutane*</b> Index number: 601-004-00-0	75-28-5	200-857-2	-	<20	GHS02 GHS04 Danger	Flam. Gas 1A Press. Gas (Comp.)	H220 H280

<b>Butane*</b> Index number: 601-004-00-0	106-97-8	203-448-7	-	<20	GHS02 GHS04 Danger	Flam. Gas 1A Press. Gas (Comp.)	H220 H280
<b>Oleic acid, compound with (Z)- N-octadec-9- enylpropane-1,3- diamine (2:1)**</b>	34140-91-5	251-846-4	-	<3	GHS08 GHS07 GHS09 Warning	STOT RE 2 Skin Irrit. 2 Eye Irrit. 2 Aquatic Acute 1 Aquatic Chronic 2	H373 H315 H319 H400 H411

\*: Substance having occupational exposure limit value.

\*\* : Classification specified by the manufacturer; the substance is not listed in Annex VI of the Regulation (EC) No 1272/2008.

For the full text of hazard statements, see Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures:

**General information:** Remove victim to fresh air.

The protection of first-aiders: Self-protection.

#### INGESTION:

Measures:

- In case of persistent symptoms, seek medical advice.

#### INHALATION:

Measures:

- Take the victim into fresh air.
- In case of complaints, obtain medical attention.

#### SKIN CONTACT:

Measures:

- Usually, the product is not irritant to the skin.

#### EYE CONTACT:

Measures:

- In case of contact with eyes, flush with running water holding eyelids apart (for at least 15 minutes).

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

Causes serious eye irritation.

May cause drowsiness or dizziness.

Repeated exposure may cause skin dryness or cracking.

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

No special treatment needed; treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media:

#### 5.1.1. Suitable extinguishing media:

Water spray, extinguishing powder, carbon dioxide. In case of large fires, use water spray.

#### 5.1.2. Unsuitable extinguishing media:

Full water jet.

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

Extremely flammable aerosol. Pressurised container: May burst if heated.

The formation of dangerous decomposition products greatly depends on the circumstances of the combustion. A complex mixture of airborne solid, liquid and gas substances may occur, such as carbon monoxide, carbon dioxide and unidentified compounds.

The inhalation of such combustion products can have serious adverse effects on health.

### 5.3. Advice for firefighters:

Wear full protective clothing and self-contained breathing apparatus.

Cool the fire affected containers with water spray.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. **Personal precautions, protective equipment and emergency procedures:**
- 6.1.1. **For non-emergency personnel:**  
Allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.
- 6.1.2. **For emergency responders:**  
Keep away from sources of ignition - No smoking.  
Ensure adequate ventilation.
- 6.2. **Environmental precautions:**  
Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.
- 6.3. **Methods and material for containment and cleaning up:**  
Collect liquid with absorbent material.
- 6.4. **Reference to other sections:**  
For further and detailed information see Sections 7, 8 and 13.

## SECTION 7: HANDLING AND STORAGE

- 7.1. **Precautions for safe handling:**  
Observe conventional hygiene precautions.  
In case of intended use, no special precautions needed.  
**Technical measures:**  
Ensure adequate ventilation.  
**Precautions against fire and explosion:**  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce (open with force) or burn, even after use.  
Protect from sunlight (e. g. with lamps). Do not expose to temperatures exceeding 50 °C/122 °F.
- 7.2. **Conditions for safe storage, including any incompatibilities:**  
**Technical measures and storage condition:**  
Observe the regulations regarding pressurised gas packaging.  
**Incompatible materials:** See Section 10.5.  
**Packaging material:** No special prescriptions.
- 7.3. **Specific end use(s):**  
No specific instructions available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. **Control parameters:**
- Occupational exposure limit values**  
**United Kingdom** (EH40/2005 Workplace Exposure Limits):  
**Acetone** (CAS: 67-64-1): Long term: 500 ppm, 1210 mg/m<sup>3</sup>, Short-term: 1500 ppm, 3620 mg/m<sup>3</sup>  
**Butane** (CAS: 106-97-8): Long term: 600 ppm, 1450 mg/m<sup>3</sup>, Short-term: 750 ppm, 1810 mg/m<sup>3</sup>
- Belgium** (Code of Well-being at Work: Book VI.- Chemical agents, carcinogens, mutagens, reprotoxic agents, and agents with endocrine-disrupting properties (M.B. 10.6.2024):  
**Acetone** (CAS: 67-64-1): Long term: 500 ppm, 1210 mg/m<sup>3</sup>, Short-term: 1000 ppm, 2420 mg/m<sup>3</sup>  
**Isobutane** (CAS: 75-28-5): Short-term: 980 ppm, 2370 mg/m<sup>3</sup>  
**Butane** (CAS: 106-97-8): Short-term: 980 ppm, 2370 mg/m<sup>3</sup>  
**Aliphatic hydrocarbons in gaseous form (Propane):** Long term: 1000 ppm

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data

PNEC values		
Compartment	Value	Note(s)
Freshwater	no data	no notes
Marine water	no data	no notes
Freshwater sediment	no data	no notes
Marine water sediment	no data	no notes
Sewage Treatment Plant (STP)	no data	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	no data	no notes

## 8.2. Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

### 8.2.1. Appropriate engineering controls:

In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. See Section 7.

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

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

1. **Eye/face protection:** Use appropriate protective glasses (EN ISO 16321-1:2022; EN 166).

2. **Skin protection:**

a. **Hand protection:** Use appropriate protective gloves (EN 374).

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

Due to missing tests no recommendation to the glove material can be given for the product.

Select glove material based on the penetration time, rates of diffusion and degradation.

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

As the product is a mixture of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked before use.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

b. **Other:** Not required for normal conditions of use.

3. **Respiratory protection:** Not required.

4. **Thermal hazards:** No thermal hazards known.

### 8.2.3. Environmental exposure controls:

No specific prescription.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions, an expert's advice is necessary before deciding upon further protective measures.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties:

Parameter	Value / Test method / Remarks
1. Physical state	aerosol
2. Colour	various
3. Odour, odour threshold	characteristic

4.	Melting point/freezing point	no data*
5.	Boiling point or initial boiling point and boiling range	no data*
6.	Flammability	not applicable
7.	Lower and upper explosion limit	not applicable (aerosol)
8.	Flash point	not applicable (aerosol)
9.	Auto-ignition temperature	not self-igniting
10.	Decomposition temperature	no data*
11.	pH	no data*
12.	Kinematic viscosity	no data*
13.	Solubility in water in other solvents	soluble no data*
14.	Partition coefficient n-octanol/water (log value)	no data*
15.	Vapour pressure	no data*
16.	Density and/or relative density	no data*
17.	Relative vapour density	no data*
18.	Particle characteristics	no data*

9.2. **Other information:**

9.2.1. **Information with regard to physical hazard classes:**

Explosive properties: not explosive, but the formation of explosive air-vapour mixtures is possible.  
 Extremely flammable aerosol. Pressurised container: May burst if heated.

9.2.2. **Other safety characteristics:**

No other characteristics available.

\*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet, or the property is not applicable for the product.

## SECTION 10: STABILITY AND REACTIVITY

10.1. **Reactivity:**

No reactivity known.

10.2. **Chemical stability:**

No decomposition under normal conditions of use.

10.3. **Possibility of hazardous reactions:**

No hazardous reactions known.

10.4. **Conditions to avoid:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

10.5. **Incompatible materials:**

No incompatible materials known.

10.6. **Hazardous decomposition products:**

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

**Acute toxicity:** Based on available data, the classification criteria are not met.

**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:** Causes serious eye irritation.

**Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

**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.

**STOT-single exposure:** May cause drowsiness or dizziness.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

11.1.1. **Summaries of the information derived from the test conducted:**

No data available.

**11.1.2. Relevant toxicological properties:**

Information about the components:

Acute toxicity:

**Acetone** (CAS: 67-64-1):

LD<sub>50</sub> (oral, rat): 5800 mg/kg

LD<sub>50</sub> (dermal, rabbit): 20000 mg/kg

**Butane** (CAS: 106-97-8):

LC<sub>50</sub> (inhalation, rat): 658 mg/l/4 h

**Hydrocarbons, C<sub>9</sub>-C<sub>11</sub>, n-alkanes, isoalkanes, cyclics, <2% aromatics** (ECHA list number: 919-857-5):

LD<sub>50</sub> (oral, rat): > 5000 mg/kg (OECD 401)

LD<sub>50</sub> (dermal, rabbit): > 5000 mg/kg (OECD 402)

**11.1.3. Information on likely routes of exposure:**

Ingestion, inhalation, skin contact, eye contact.

The main exposure routes are skin contact and eye contact.

**11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:**

No data available.

**11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:**

Causes serious eye irritation.

May cause drowsiness or dizziness.

Repeated exposure may cause skin dryness or cracking.

**11.1.6. Interactive effects:**

No data available.

**11.1.7. Absence of specific data:**

No information.

**11.2. Information on other hazards:**

**Endocrine disrupting properties:**

Endocrine disrupting property: None of the ingredients is listed.

**Other information:**

No data available.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. Toxicity:**

The mixture is not classified as hazardous for the environment.

**12.2. Persistence and degradability:**

No data available.

**12.3. Bioaccumulative potential:**

No data available.

**12.4. Mobility in soil:**

No data available.

**12.5. Results of PBT and vPvB assessment:**

Not applicable.

**12.6. Endocrine disrupting properties:**

Endocrine disrupting property: Does not contain endocrine disruptors.

**12.7. Other adverse effects:**

Do not let the undiluted product or larger quantities of the product enter groundwater, water courses or sewage system.

Water hazard class (WGK, German regulation, self-classification): 1 – slightly hazardous for water.

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods:**

Disposal according to the local regulations.

**13.1.1. Information regarding the disposal of the product:**

Dispose of in accordance with applicable regulations.

Do not dispose of together with household waste.

Do not empty into drains.


**List of Waste Code:**

No waste disposal key according to the List of Waste Code (LoW code) can be determined for this product, as only the purpose of application defined by the user enables an allocation. The LoW code number has to be determined after a discussion with a waste disposal specialist.

- 13.1.2. **Information regarding the disposal of the packaging:**  
Dispose of in accordance with applicable regulations.
- 13.1.3. **Physical/chemical properties that may affect waste treatment options shall be specified:**  
No data available.
- 13.1.4. **Sewage disposal:**  
No data available.
- 13.1.5. **Special precautions for any recommended waste treatment:**  
No data available.

## SECTION 14: TRANSPORT INFORMATION

ADR/RID; ADN; IMDG; IATA:

- 14.1. **UN number or ID number:**  
UN 1950
- 14.2. **UN proper shipping name:**  
ADR: AEROSOLS, flammable  
IMDG: AEROSOLS  
IATA: AEROSOLS, flammable
- 14.3. **Transport hazard class(es):**  
2  
Label: 2
- 
- 14.4. **Packing group:**  
No packing group.
- 14.5. **Environmental hazards:**  
Not applicable.
- 14.6. **Special precautions for user:**  
Warning: gases  
ADR: Classification code: 5F  
Kemler: -  
Limited quantity: 1 L  
Excepted quantity: Eo  
Transport category: 2  
Tunnel restriction code:  
IMDG: EmS: F-D, S-U  
Stowage code: SW1 Protected from sources of heat.  
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters  
Segregation code: SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9.  
Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.  
Limited quantity: 1 L  
Excepted quantity: Eo
- 14.7. **Maritime transport in bulk according to IMO instruments:**  
Not applicable.

## SECTION 15: REGULATORY INFORMATION

- 15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture:**  
  
**REGULATION (EC) No 1907/2006** OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21



**REGULATION (EC) No 1272/2008** OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006

**COMMISSION REGULATION (EU) 2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

**COMMISSION DIRECTIVE (EU) No 2013/10** of 19 March 2013 amending Council Directive (EEC) No 75/324 on the approximation of the laws of the Member States relating to aerosol dispensers

Directive 2012/18/EU:

ANNEX I – PART 2: Named dangerous substances: None of the substances are listed.

**Seveso category:**

P3a FLAMMABLE AEROSOLS

Lower-tier requirements (tonnes): 150

Upper-tier requirements (tonnes): 500

Restrictions according to Annex XVII to Regulation (EC) No 1907/2006:

Conditions of restriction: entry 3

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment:

Annex II: None of the substances are listed.

The mixture contains a substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors:

Annex II – Reportable explosives precursors:

**Acetone** (CAS: 67-64-1)

Contains a substance subject to Regulation (EC) No 273/2004 of the European Parliament and of the Council of 11 February 2004 on drug precursors:

**Acetone** (CAS: 67-64-1): 3

Contains a substance subject to Council Regulation (EC) No 111/2005 of 22 December 2004 laying down rules for the monitoring of trade between the Union and third countries in drug precursors:

**Acetone** (CAS: 67-64-1): 3

Water hazard class (WGK, German regulation, self-classification): 1 – slightly hazardous for water.

**15.2. Chemical safety assessment:**

Chemical safety assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

**Information regarding the revision of the safety data sheet:** No information.

**Literature references / data sources:**

Safety data sheet issued by the manufacturer (23. 05. 2024, version 1, DE).

**Methods used for the classification according to Regulation (EC) No 1272/2008:**

Classification	Method
Aerosols, Hazard Category 1 – H222; H229	Based on test methods (test data)
Serious eye damage/eye irritation, Hazard Category 2 – H319	Based on calculation method
Specific target organ toxicity – Single exposure, Hazard Category 3, Narcosis – H336	Based on calculation method

**Relevant hazard statements (code and full text) of Sections 2 and 3:**

**H220** – Extremely flammable gas.  
**H222** – Extremely flammable aerosol.  
**H225** – Highly flammable liquid and vapour.  
**H229** – Pressurised container: May burst if heated.  
**H280** – Contains gas under pressure; may explode if heated.  
**H304** – May be fatal if swallowed and enters airways.  
**H315** – Causes skin irritation.  
**H319** – Causes serious eye irritation.  
**H336** – May cause drowsiness or dizziness.  
**H373** – May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
**H400** – Very toxic to aquatic life.  
**H411** – Toxic to aquatic life with long lasting effects.  
**EUH 066** – Repeated exposure may cause skin dryness or cracking.

**Training advice:** No data available.

**Full text of the abbreviations in the safety data sheet:**

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.  
ATE: Acute Toxicity Estimate.  
AOX: Adsorbable organic halides.  
BCF: Bioconcentration factor.  
BOD: Biological Oxygen Demand.  
CAS number: Chemical Abstract Service number.  
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  
CMR effects: Carcinogenic, mutagenic, reprotoxic effects.  
COD: Chemical Oxygen Demand.  
CSA: Chemical Safety Assessment.  
CSR: Chemical Safety Report.  
DNEL: Derived-No-Effect-Level.  
ECHA: European Chemical Agency.  
EC: European Community.  
EC number: EINECS and ELINCS numbers (see also EINECS and ELINCS).  
EEC: European Economic Community.  
EEA: European Economic Area (EU + Iceland, Liechtenstein and Norway).  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
ELINCS: European List of Notified Chemical Substances.  
EN: European Norm.  
EU: European Union.  
EuPCS: European Product Categorisation System.  
EWC: European Waste Catalogue (replaced by LoW – see below).  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.  
IATA: International Air Transport Association.  
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
IMDG: International Maritime Dangerous Goods.  
IMO: International Maritime Organization.  
IMSBC: International Maritime Solid Bulk Cargoes.  
IUCLID: International Uniform Chemical Information Database.  
IUPAC: International Union of Pure and Applied Chemistry.  
Kow: n-Octanol - Water Partition Coefficient.  
LC50: Lethal concentration resulting in 50 % mortality.  
LD50: Lethal dose resulting in 50 % mortality (median lethal dose).  
LoW: List of Waste.  
LOEC: Lowest Observed Effect Concentration.  
LOEL: Lowest Observed Effect Level.  
NOEC: No Observed Effect Concentration.  
NOEL: No Observed Effect Level.  
NOAEC: No Observed Adverse Effect Concentration.  
NOAEL: No Observed Adverse Effect Level.  
OECD: Organization for Economic Cooperation and Development.  
OSHA: Occupational Safety and Health Administration.

PBT: Persistent, Bioaccumulative and Toxic.  
PNEC: Predicted No Effect Concentration.  
QSAR: Quantitative Structure Activity Relationship.  
REACH: Regulation 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.  
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.  
SCBA: Self Contained Breathing Apparatus.  
SDS: Safety Data Sheet.  
STOT: Specific Target Organ Toxicity.  
SVHC: Substances of Very High Concern.  
UN: United Nations.  
UVCB: Chemical Substances of Unknown or Variable Composition, Complex Reaction Products or of Biological Materials.  
VOC: Volatile Organic Compound.  
vPvB: very Persistent and very Bioaccumulative.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information.

The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product.

It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.

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Safety data sheet was prepared by:  
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