



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

### 1.1. Product identifier

**Name of product** Brake Cleaner, liquid (GB)  
Code-Nr. 152010

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

**Recommended intended purpose(s)**  
Technical Liquids

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

**Manufacturer/distributor** WEICON GmbH & Co. KG  
Königsberger Straße 255, DE-48157 Münster  
Postbox 84 60, DE-48045 Münster  
Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322-244  
E-Mail : info@weicon.de  
Internet : www.weicon.de

**Advice** Abteilung Angebote, Verkauf, Export  
Phone ++49(0)251 / 9322 - 0  
E-mail (competent person):  
info@weicon.de

### 1.4. Emergency telephone number

**Emergency advice** Giftnotruf Bonn: Bei Vergiftungen (in case of poisoning)  
Phone ++49(0)228-19 240

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to 67/548/EEC or 1999/45/EC

F; R11  
Xi; R36/38  
N; R51/53  
Xn; R65  
R67

#### R-phrases

11 Highly flammable.  
36/38 Irritating to eyes and skin.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
65 Harmful: may cause lung damage if swallowed.  
67 Vapours may cause drowsiness and dizziness.

### 2.2. Label elements

#### Labelling according to 1999/45/EC

#### Remarks for labelling

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

**F** Highly flammable  
**Xn** Harmful  
**N** Dangerous for the environment

#### R-phrases

11 Highly flammable.  
36/38 Irritating to eyes and skin.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed

17.05.2013

revision

06.05.2013 (GB) Version 8.0

### Brake Cleaner, liquid (GB)

65 Harmful: may cause lung damage if swallowed.  
67 Vapours may cause drowsiness and dizziness.

#### S-phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
61 Avoid release to the environment. Refer to special instructions/safety data sheets.  
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

#### 2.3. Other hazards

#### Information pertaining to special dangers for human and environment

In extensive use, formation of flammable / explosive vapour-air mixture is possible.

#### Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

## SECTION 3: Composition/ information on ingredients

#### 3.1. Substances

not applicable

#### 3.2. Mixtures

##### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
67-63-0	200-661-7	propan-2-ol	20 - 30	F R11; Xi R36; R67
67-64-1	200-662-2	acetone	10 - 20	F R11; Xi R36; R66; R67
64742-49-0	265-151-9	Aliphatic hydrocarbon (note H,P)	1 - 10	F R11; Xn R65; Xi R38; N R51/53; R67
64742-49-0	265-151-9	Naphtha (petroleum) hydrotreated light; naphtha hydrotreated, low-boiling (note P)	30 - 50	F11; Xn R 65; Xi R38; R67; N R51/53

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
67-63-0	200-661-7	propan-2-ol	20 - 30	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
67-64-1	200-662-2	acetone	10 - 20	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
64742-49-0	265-151-9	Aliphatic hydrocarbon (note H,P)	1 - 10	Asp. Tox. 1, H304 / Skin Irrit. 2, H319 / Aquatic Chronic 2, H411 / STOT SE 3, H336 / Flam. Liq. 2, H225 / , EUH066
64742-49-0	265-151-9	Naphtha (petroleum) hydrotreated light; naphtha hydrotreated, low-boiling (note P)	30 - 50	Skin Irrit. 2, H315 / Aquatic Chronic 2, H411 / STOT SE 3, H336 / Asp. Tox. 1, H304

#### REACH

CAS No	Name	REACH registration number
64742-49-0	Naphtha (petroleum) hydrotreated light; naphtha hydrotreated, low-boiling (note P)	01-2119475514-xxxx

## SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated soaked clothing immediately.

##### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

##### In case of skin contact

In case of contact with skin wash off with soap and water.

##### In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.



---

**In case of ingestion**

If swallowed or in case of vomiting, danger of infiltration into the lungs (danger of aspiration).

Do not induce vomiting.

Medical treatment.

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

**Physician's information / possible symptoms**

The following symptoms may occur:

Unconsciousness

Delirious state

vomiting

Headache

Confusion

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

No information available.

---

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam

Dry powder

Carbon dioxide

**Unsuitable extinguishing media**

Full water jet

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

Fire gas of organic material has to be classed invariably as respiratory poison.

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

**Additional information**

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

---

**SECTION 6: Accidental release measures**

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

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

**6.2. Environmental precautions**

Do not discharge into the drains or bodies of water..

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

Disposal according to regulations.

Take up with absorbent material.

**6.4. Reference to other sections**

No information available.



## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

#### General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

#### Hygiene measures

Cloths contaminated with product should not be kept in trouser pockets.

At work do not eat, drink, smoke or take drugs.

Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Do not pierce or burn even after use.

The product is combustible.

Vapours can form an explosive mixture with air.

Avoid effect of heat.

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

#### Requirements for storage rooms and vessels

Only use containers that are approved specifically for the substance/product.

#### Further information on storage conditions

Protect from heat and direct solar radiation.

Keep container in a well-ventilated place

Keep in a cool place.

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
67-64-1	Acetone	8 hours	1210	500	EH40/2005
		Short-term	3620	1500	
67-63-0	propan-2-ol	8 hours	999	400	EH40/2005
		Short-term	1250	500	

#### Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
67-64-1	acetone	8 hours	1210	500	

### 8.2. Exposure controls

#### Respiratory protection

Environment-independent breathing apparatus.

If ventilation insufficient, wear respiratory protection.

Multi-purpose filter ABEK/P3

#### Hand protection

Die einzusetzenden Schutzhandschuhe müssen den Spezifikationen der EG-Richtlinie 89/686/EWG und der sich daraus ergebenden Norm EN374 genügen.

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile rubber; 0,4mm;480min; 60min.

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: butyl rubber, 0,7mm; 480min



**Eye protection**

safety goggles with side protection

**Skin protection**

protective clothing

**Additional advice on system design**

Sufficient ventilation and exhaustion.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Form**

liquid

**Colour**

colourless, clear

**Odour**

pleasant

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>boiling range</b>	60 - 110 °C				
<b>melting range</b>	< -30 °C				
<b>Flash point</b>	-20 °C				propellant
<b>Ignition temperature</b>	> 260 °C				propellant
<b>Lower explosion limit</b>	0,8 Vol-%				
<b>Upper explosion limit</b>	13 Vol-%				
<b>Vapour pressure</b>	200 hPa	20 °C			
<b>Relative density</b>	0,73 g/ml	20 °C			
<b>Solubility in water</b>					difficult to dissolve

**Explosive properties**

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

**9.2. Other information**

No information available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

No information available.

**10.3. Possibility of hazardous reactions**

No information available.

**10.4. Conditions to avoid**

Keep away from heat.

Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.

**10.5. Incompatible materials**

**Materials to avoid**

Reactions with oxidising agents.



**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

**Thermal decomposition**

Remark No decomposition if used as directed.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Experiences made from practice**

Often and long skin contact may cause degreasing and desiccation of the skin which may cause skin irritation.  
Risk of strong health injuries in case of long-term exposition.  
Inhalation can cause damage to the respiratory tract or lungs.  
Irritates respiratory tract.  
Inhalation causes narcotic effect/intoxication.

**Additional information**

The product is to be handled with the caution usual with chemicals.  
Other hazardous properties may not be excluded.  
The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).

**SECTION 12: Ecological information**

**12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	The product is highly volatile and can be largely eliminated from the water by stripping.			
<b>Biological degradability</b>	The product is slightly degradable.			

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

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

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6. Other adverse effects**

**Additional ecological information**

	Value	Method	Remark
<b>AOX</b>	The product contains no organically bound halogen in accordance with the formulation.		

**General regulation**

Because of damage to water organism do not fill in presurge.  
Do not allow uncontrolled leakage of product into the environment.  
Product is not allowed to be discharged into aquatic environment.



## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste code No.**

15 01 04  
15 01 10\*

**Name of waste**

metallic packaging  
packaging containing residues of or contaminated by dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

**Recommendations for the product**

Remove in accordance with local official regulations.

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany, the Recycling and Waste Management Act 8 KrW-/AbfG) stipulates recycling as a requirement.

This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the Laender.

**Recommendations for packaging**

Dispose of according to the local waste regulations.

## SECTION 14: Transport information

**Land and inland navigation transport ADR/RID**

UN 1993 FLAMMABLE LIQUID, N.O.S. (Propan-2-ol, Aceton Mischung), 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS, Special provisions 640C, Classification code: F1  
transport in "limited quantities" according to 3.4 ADR is possible

**Marine transport IMDG**

UN 1993 FLAMMABLE LIQUID, N.O.S. (Propan-2-ol, ACETON Mixture; NAPHTHA (PETROLEUM)), 3, II  
MARINE POLLUTANT: Yes

**Air transport ICAO/IATA-DGR**

UN 1993 Flammable liquid, n.o.s. (Propan-2-ol, ACETON Mixture), 3, II  
ENVIRONMENTALLY HAZARDOUS: Yes

**Transport/further information**

24h EMERGENCY CONTACT (TRANSPORT) +49(0)178 433 7434 (Consultank Lutz Harder GmbH)

**Special precautions for user**

No information available.

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

not applicable

## SECTION 15: Regulatory information

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

**VOC standard**

**Remark**

Daten separat anfragen / Request data separately.

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

**Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)**

R 11 Highly flammable.  
R 36 Irritating to eyes.



Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 17.05.2013

revision 06.05.2013 (GB) Version 8.0

**Brake Cleaner, liquid (GB)**

---

R 38 Irritating to skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.