

**Brake Cleaner****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Name of product** Brake Cleaner  
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****Distributor**

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster  
Postbox 48045, DE-8460 Münster  
Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322 - 244  
E-Mail : msds@weicon.de  
Internet : www.weicon.de

**Advice**

Produktsicherheit / Product-Safety-Department  
Phone ++49(0)251 / 9322 - 0  
E-mail (competent person):  
msds@weicon.de

**1.4. Emergency telephone number**

GIZ Bonn (German, English) Tel: ++49(0)228-19 240  
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178  
433 7434 (24h Emergency Contact)

**Manufacturer**

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster

**1.4. Emergency telephone number****Emergency advice**

-  
Phone -  
GIZ Bonn (Medizinische Auskunft in Deutsch und Englisch)  
Tel: ++49(0)228-19 240  
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178  
433 7434 (24h Emergency Contact)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Flam. Liq. 2	H225	
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
STOT SE 3	H336	

**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Asp. Tox. 1	H304	
Aquatic Chronic 2	H411	

**Hazard Statements**

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.

**2.2. Label elements**
**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**


GHS02



GHS07



GHS08



GHS09

**Signal word**

Danger

**Hazard Statements**

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.

**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.
P233	Keep container tightly closed.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P332 + P313	If skin irritation occurs: Get medical advice/attention.



Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)

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**Brake Cleaner**

P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing.
P370 + P378	In case of fire: Use foam for extinction.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point.

**Hazardous ingredients for labeling**

Naphtha (petroleum) hydrotreated , free of aromatics (note P: < 0,1% benzene), propan-2-ol

**2.3. Other hazards**

Product has an anesthetic effect.

**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**

The substances in the mixture do not meet the PBT/vPvB criteria according to 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 Regulation (EC) No 1272/2008 [CLP/GHS]
67-63-0	200-661-7	propan-2-ol	20 - 25	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
67-64-1	200-662-2	acetone	15 - 20	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
64742-49-0	265-151-9	Naphtha (petroleum) hydrotreated , free of aromatics (note P: < 0,1% benzene)	45 - 55	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411
8028-48-6	232-433-8	Orange, süß, Extrakt	0,3 - 0,5	Flam. Liq. 3, H226 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Asp. Tox. 1, H304 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410

**REACH**

CAS No	Name	REACH registration number
67-63-0	propan-2-ol	01-2119457558-25
64742-49-0	Naphtha (petroleum) hydrotreated , free of aromatics (note P: < 0,1% benzene)	01-2119475514-35-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.



**Brake Cleaner**

**In case of skin contact**

In case of contact with skin wash off with soap and water.  
Consult a doctor if skin irritation persists.

**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**

Do not induce vomiting.  
Call for a doctor immediately.

**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.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam  
Dry powder  
Carbon dioxide  
Water spray jet

**Unsuitable extinguishing media**

Full water jet

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

In case of fire formation of dangerous gases possible.  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

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.

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**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Ensure adequate ventilation.  
Use personal protective clothing.  
Keep away sources of ignition.

**Brake Cleaner****6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

Allow to vaporise.

Disposal according to regulations.

Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

**6.4. Reference to other sections**

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

**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

The product is combustible.

Vapours can form an explosive mixture with air.

Take precautionary measures against static discharges.

Avoid effect of heat.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep in closed original container.

**Further information on storage conditions**

Protect from heat and direct solar radiation.

Do not keep containers unlocked.

Store container at cool and aired place.

Protect from heat/overheating.

**7.3. Specific end use(s)****Recommendation(s) for intended use**

See section 1.2

**! SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Ingredients with occupational exposure limits to be monitored**

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
67-64-1	Acetone	8 hours	1210	500	EH40/2005
		Short-term	3620	1500	

**Brake Cleaner****Ingredients with occupational exposure limits to be monitored (continued)**

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
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/m <sup>3</sup> ]	[ppm]	Remark
67-64-1	acetone	8 hours	1210	500	

**Additional advice**

The statutory local and national regulations have to be observed.

**8.2. Exposure controls****Respiratory protection**

In case of insufficient ventilation or long-term effect use breathing apparatus.

Multi-purpose filter ABEK/P3, otherwise environment-independent breathing apparatus.

**! Hand protection**

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

Glove material specification: Nitrile rubber

PVC gloves

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.

**Eye protection**

tightly fitting goggles

**Other protection measures**

protective clothing

**Appropriate engineering controls**

Sufficient ventilation and exhaustion.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

liquid

**Colour**

colourless, clear

**Odour**

characteristic

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>boiling range</b>	56 - 175 °C				
<b>melting range</b>	not determined				
<b>Flash point</b>	< 10 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not applicable				



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**Brake Cleaner**

	Value	Temperature	at	Method	Remark
<b>Flammability (gas)</b>	not applicable				
<b>Ignition temperature</b>	425 °C				
<b>Self ignition temperature</b>					The product is not self-igniting.
<b>Lower explosion limit</b>	0,7 Vol-%				
<b>Upper explosion limit</b>	13 Vol-%				
<b>Vapour pressure</b>	ca. 233 hPa	20 °C			
<b>Relative density</b>	0,743 g/cm <sup>3</sup>	20 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					No or low immiscibility
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	not determined				
<b>Viscosity kinematic</b>	not determined				
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	not determined				
<b>9.2. Other information</b>	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**

Formation of explosive gas/air mixtures.

**10.4. Conditions to avoid**

Keep away from heat.

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

**Brake Cleaner****10.5. Incompatible materials**

No information available.

**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****Acute toxicity/Irritation/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 2000 mg/kg	rat		CAS: 64742-49-0
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	irritant			
<b>Skin sensitization</b>	non-sensitizing			

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Experiences made from practice**

Often and long skin contact may cause degreasing and desiccation of the skin which may cause skin irritation.

Irritates respiratory tract.

Irritates mucous membranes.

Irritates eyes and skin.

Inhalation causes narcotic effect/intoxication.

**Additional information**

Other hazardous properties may not be excluded.

**SECTION 12: Ecological information****12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects****General regulation**

Toxic to aquatic life, fishes and plankton.

Do not allow uncontrolled leakage of product into the environment.

**Brake Cleaner**

Product is not allowed to be discharged into the ground water or aquatic environment.  
Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Waste code No.**

15 01 02

15 01 10\*

**Name of waste**

plastic packaging

packaging containing residues of or contaminated by hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Dispose of according to the local waste regulations.

**SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.1. UN number</b>	1993	1993	1993
<b>14.2. UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. S. (Propan-2-ol, Aceton Mischung)	FLAMMABLE LIQUID, N.O.S. (Propan-2-ol, ACETON Mixture; NAPHTHA (PETROLEUM))	Flammable liquid, n.o.s. (Propan-2-ol, ACETON Mixture)
<b>14.3. Transport hazard class(es)</b>	3	3	3
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>	Yes	Yes	Yes

**14.6. Special precautions for user**

Caution: FLAMMABLE LIQUID

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

not applicable

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

Hazard label(s) 3

tunnel restriction code D/E

Special provisions 640E

Classification code F1

transport in "limited quantities" according to 3.4 ADR is possible

**Marine transport IMDG**

MARINE POLLUTANT

**Transport/further information**

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



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## ! SECTION 15: Regulatory information

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

#### ! VOC standard

VOC content	100 %
VOC value	743 g/L

### 15.2. Chemical Safety Assessment

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

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## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

For industrial use only.

### Further information

Each user is responsible for the implementation of the national special regulations.

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.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 8.3

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.