



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

| | |
|--|---|
| Name of product | Brake Cleaner liquid (GB) Code-Nr. 15201 |
| 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 |
| Emergency advice | Giftnotruf Bonn: Bei Vergiftungen (in case of poisoning) Phone ++49(0)228-19 240 |
| Recommended intended purpose(s) | Technical Liquids |

2. HAZARDS IDENTIFICATION

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.

Information pertaining to special dangers for human and environment

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

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 |



4. 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.

Physician's information / possible symptoms

The following symptoms may occur:

Unconsciousness

Delirious state

vomiting

Headache

Confusion

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

Extinguishing media which must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

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

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Environmental precautions

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

Methods for cleaning up

Disposal according to regulations.

Take up with absorbent material.



7. HANDLING AND STORAGE

Advice on safe handling

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

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.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional advice on system design

Sufficient ventilation and exhaustion.

Ingredients with occupational exposure limits to be monitored

| CAS No | Name | Code | [mg/m ³] | [ppm] | Spitzenb. | 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 or 2006/15/EC)

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

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

General protective measures

Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols.

**Brake Cleaner liquid (GB)****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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
liquid

Colour
colourless, clear

Odour
pleasant

Important health, safety and environmental information

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

Explosive properties

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

10. STABILITY AND REACTIVITY**Conditions to avoid**

Keep away from heat.

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

Materials to avoid

Reactions with oxidising agents.

Hazardous decomposition products

carbon monoxide and carbon dioxide

Thermal decomposition

Remark No decomposition if used as directed.



11. TOXICOLOGICAL INFORMATION

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

Das Produkt ist mit der bei Chemikalien üblichen Vorsicht zu handhaben.
The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).

12. ECOLOGICAL INFORMATION

Data on elimination (persistence and degradability)

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

Additional ecological information

| | Value | Method | Remark |
|------------|---|--------|--------|
| AOX | 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.

13. DISPOSAL CONSIDERATIONS

| Waste code No. | Name of waste |
|----------------|--|
| 15 01 04 | metallic packaging |
| 15 01 10* | 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.



14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 1993 FLAMMABLE LIQUID, N.O.S. (Naphtha (Erdöl)), 3, II, (D/E), Special provisions 640C, Classification code: F1 transport in "limited quantities" according to 3.4 ADR LQ2 is possible

Marine transport IMDG

UN 1993 FLAMMABLE LIQUID, N.O.S. (Naphtha (Petroleum)), 3, II, YES

Air transport ICAO/IATA-DGR

UN 1993 Flammable liquid, n.o.s. (Naphtha (Petroleum)), 3, II

Transport/further information

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

15. REGULATORY INFORMATION

Remarks for labelling

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

Labelling according to 67/548/EEC or 1999/45/EC

- 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.
- 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.

VOC standard

| | |
|-------------|---------|
| VOC content | 72,9 % |
| VOC value | 729 g/L |

16. OTHER INFORMATION

Recommend 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-phrases specified in chapter 3 (not the classification of the formulation!)

- R 11 Highly flammable.
- R 36 Irritating to eyes.
- 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.