



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

Name of product	Brake Cleaner Spray (GB) Code-Nr. 11203
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 Aerosols

2. HAZARDS IDENTIFICATION

Classification

F+; R12
Xi; R38
N; R51/53

R-phrases

12 Extremely flammable.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

Special hazards information for humans and environment

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Preparation based on propellant and a mixture of aliphatic solvents, alcohol, cetones and orange parfum. Propellant: propane / butane.

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
64-17-5	200-578-6	ethanol	2,5 - 10	F R11
67-56-1	200-659-6	methanol	0,1 - 1	F R11; T R23/24/25-39/23/24/25
74-98-6	200-827-9	propane	2,5 - 10	F+ R12
106-97-8	203-448-7	butane	2,5 - 10	F+ R12
109-66-0	203-692-4	pentane	10 - 20	F+ R12; Xn R65; R66; R67; N R51/53
64742-49-0	265-151-9	Naphtha (Erdöl), mit Wasserstoff behandelte leichte ; Naphtha, wasserstoffbehandelt, niedrig siedend (Nota P)	50 - 70	F R11; Xn R65; Xi R38; N R51/53; R67



4. FIRST AID MEASURES

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Ensure of fresh air.

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

Do not induce vomiting.

Medical treatment.

If swallowed seek medical advice immediately and show the doctor packing or label.

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

water mist

Extinguishing media which must not be used for safety reasons

water

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

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.

Environmental precautions

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

Methods for cleaning up

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 spray on a naked flame or any incandescent material.
Vapours can form an explosive mixture with air.
Take precautionary measures against static discharges.
Avoid effect of heat.

Requirements for storage rooms and vessels

Keep in closed original container.
Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

Further information on storage conditions

Protect from heat and direct solar radiation.
Keep container in a well-ventilated place
Storage temperature may not exceed 50°C (=122°F).
Recommended storage temperature: room temperature.

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/m3]	[ppm]	Spitzenb.	Remark
106-97-8	Butane	8 hours	1450	600		EH40/2005
		Short-term	1810	750		
64-17-5	ethanol	8 hours	1920	1000		EH40/2005
67-56-1	methanol	8 hours	266	200		EH40/2005
		Short-term	333	250		

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

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
109-66-0	pentane	8 hours	3000	1000	
67-56-1	methanol	8 hours	260	200	skin

Respiratory protection

Environment-independent breathing apparatus.
If ventilation insufficient, wear respiratory protection.
Short term: filter apparatus, Filter A/P2

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 [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.

Eye protection

safety goggles with side protection

Skin protection

protective clothing

General protective measures

Avoid contact with eyes and skin
Do not inhale aerosols



Hygiene measures

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
aerosol

Colour
colourless, clear

Odour
of orange

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
boiling point	-44 °C				
Flash point	-97 °C				
Ignition temperature	200 °C				
Autoignition	not applicable				
Lower explosion limit	0,8 Vol-%				
Upper explosion limit	7,8 Vol-%				
Vapour pressure	7 bar	20 °C			
Density	0,669 g/ml	20 °C			
Solubility in water	5 g/l	20 °C			
Solvent concentration	100 %				

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.

Hazardous decomposition products

No hazardous decomposition products known.

Thermal decomposition

Remark No decomposition if used as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
Irritability skin	irritant			



	Value/Validation	Species	Method	Remark
Irritability eye	low irritant - no labeling duty			

Experiences made from practice

Irritates respiratory tract.
Irritates mucous membranes.
Inhalation causes narcotic effect/intoxication.

Additional information

Labelling in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.

12. ECOLOGICAL INFORMATION

General regulation

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.

15 01 10*

Name of waste

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

Recycling, if possible.
Remove in accordance with local official regulations.

Recommendations for packaging

Dispose of according to the local waste regulations.
Packaging that cannot be cleaned should be disposed of like the product.

Recommended cleansing agent

E.g white spirit.

General information

For proper waste disposal a complete emptying of the tin is necessary.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 1950 AEROSOLS, 2.1, (D), Classification code: 5F
transport in "limited quantities" according to 3.4 ADR LQ2 is possible

Marine transport IMDG

UN 1950 AEROSOLS, 2.1

Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1

Transport/further information

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



15. REGULATORY INFORMATION

Remarks for classification

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

Classification

- F+** Extremely flammable
- Xi** Irritant
- N** Dangerous for the environment

R-phrases

- 12 Extremely flammable.
- 38 Irritating to skin.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

S-phrases

- 23.4 Do not breathe spray.
- 24 Avoid contact with skin.
- 51 Use only in well-ventilated areas.
- 60 This material and its container must be disposed of as hazardous waste

Special labelling for certain preparations

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Without sufficient ventilation the formation of explosive vapour/air mixtures cannot be excluded. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Contents materials in accordance with Detergents Regulation (648/2004/EC)
> 30% aliphatic hydrocarbons; < 5% Odoriferous substances (d-Limonen)

VOC standard

VOC content	100 %
VOC value	669 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.

Danish MAL-code: 5-3

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

- R 11 Highly flammable.
- R 12 Extremely flammable.
- R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- R 38 Irritating to skin.
- R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
- 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.