

EC-Material Safety Data Sheet according 91/155/EWG

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Page 1 of 4

1. Chemical product and company identification

Tradename: **R.S.P. BRAKE-CLEANER**

Manufacturer/Supplier: KORA GmbH
Kristein 2, A- 4470 Enns

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Emergency information: +43-676-3500430

2. Composition/information on ingredients

Chemical characteristics:
Cleaner based on acetone and a hydrocarbon solvent.
Propellant: Carbon dioxide, Propane/Butane mixture.

Hazardous components:

CAS-Number	Hazardous components	Concentr.-%	Symbols	R-phrases
74-98-6/106-97-8	Propane/Butane	5-25	F+	12
00124-38-9	Carbon dioxide	1-5		
67-64-1	Acetone	<20	F, Xi	11, 36, 66, 67
64742-49-0	Hydrocarbon solvent	65-75	F, Xn, N	11, 38, 51/53, 65, 67

3. Possible dangers

Extremely flammable. In use, may form flammable/explosive vapour-air mixture, particularly on the ground. Harmful: may cause lung damage if swallowed. Irritant. Irritating to eyes and skin. Vapours may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking. Dangerous for the environment. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First-aid measures

Inhalation: Ensure supply of fresh air. Use mouth-to-mouth or mouth-to-nose resuscitation.

Eye contact: Rinse thoroughly with plenty of water at open eye lid and seek medical advice.

Skin contact: Wash with plenty of water and soap. After that moisture the skin.

Further information: After swallowing immediately consult a doctor for medical advice.

5. Fire-fighting measures

Suitable extinguishing media: foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media: water spray jet.

6. Accidental release measures

Environmental measurements:

Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers

Cleaning-up method:

Absorb or contain liquid with sand, earth or spill control material. Sort out leaking cans and dispose off.

7. Handling and storage

Handling:

Use only in well-ventilated areas. Keep away from sources of ignition. Do not smoke. Do not spray in eyes. Protect against solar radiation.

Storage:

Observe storage regulations for aerosols (in Germany TRG 300). Store in well-ventilated areas only. Storage temperature never above 50°C . Do not carry in car-interior.

8. Exposure controls and personal protection

Contains Propane/Butane (MAC-value 1000 ppm), Acetone (MAC-value 500 ppm) and Hydrocarbon solvent (MAC-value 200 ppm).

Respiratory protection: In unventilated areas.

Eye protection: Wear goggles during treatment of large quantities

Skin protection: Wear protective gloves.

Industrial hygiene: After work-time and during work intervals the affected skin areas must be thoroughly cleaned. At work do not eat, drink, smoke or take drugs.

9. Physical and chemical data

Physical state	Aerosol		
Colour:	Colourless		
Odour:	Characteristic like petrol		
Change of physical state:	Not applicable		
Flash point:	Not applicable		
Ignition point (spray mist)	>250°C		
Explosion limits	Lower: 0,6 Vol.%	upper:	no data available
Vapour pressure [mbar]:	20°C: 3,5	50°C:	7,0
Density at 20°C [g/ml]:	0,72		
solubility:	Partly soluble at water		
Octanol/water partition coefficient at 20°C	No data available		
Viscosity (mpas) at 20°C	No data available		

10. Stability and reactivity

Thermal decomposition :
None at appropriate use.

Hazardous decomposition products
None at appropriate use.

Hazardous reactions:
At temperatures above 50°C danger of exploding cans.

11. Toxicological information

Contains Acetone (MAC-value 500 ppm) and Hydrocarbon solvent (MAC-value 200 ppm).
Inhalation of solvent vapours can lead to narcotic aspects.

12. Ecological information

Water hazard class: 2 (self-classification)
Watercontaminating. Do not allow to enter soil, waterways or waste water.

13. Waste disposal considerations

For recycling, consult waste disposal centres.
EAK-Number: 16 05 04

14. Transport

ADR/RID:

Name: Aerosols
UN-Number: 1950 Class: 2 Classification code: 5 F
Limited Quantities: LQ2 Danger label: 2.1

IMGD-code:

Name: Aerosols
UN-Number: 1950 Class: 2
EmS-Nr.: F-D, S-U Marine pollutant: no

ICAO/IATA-DGR:

Name: Aerosols, flammable
UN-Number: 1950 Class: 2.1

15. Regulatory information

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



Symbols:

Dangers: Extremely flammable, Irritant, Dangerous for the environment

Pressurised 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. Keep away from sources of ignition - No smoking. Keep out of the reach of children. In use, may form flammable/explosive vapour-air mixture. Do not breathe spray. Use only in well ventilated areas.

Irritating to skin. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not empty into drains. Dispose of this material and its container to hazardous or special waste collection point. For proper disposal empty aerosol can completely.

16. Additional information

Duplication without changes of the original version is allowed.

Text for R-phrases shown in section 2 describing each ingredient:

- R11 Highly flammable.
- R12 Extremely flammable.
- R36 Irritating to eyes.
- R38 Irritating to skin.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: May cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

These informations are based on our present state of knowledge. They describe our product in view of the requirements for safety. They do not assure certain properties of the product. A legal relationship is not vested.