

US Safety Data Sheet

Brake Clean



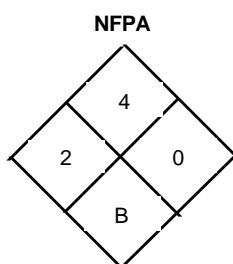
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Company BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901
Langenthal, Switzerland

1 Commercial product name and supplier

1.1 Commercial product name / Designation **Brake Clean**



HMIS	
H	2
F	4
R	0
C	B

1.2 Application / Use Solvent

1.3 Producer BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901
Langenthal, Schweiz, T. +41 (0)62 919 7575

1.4 Supplier MOTOREX USA, 900 Mendelssohn Ave. N, Golden Valley,
MN 55427, USA, +1 763-417-1377

1.5 TOX emergency number USA + Canada: 1 800 424 9300 (Chemtrec Chemical Manufacturers
Association, Arlington, VA 22209)

1.6 Product No.

2 Composition

2.1 Chemical characterization White Spirit
Alcohols

2.2 Hazardous components Dangerous substances according to the criteria of the EC (Council
Directive 88/379/EEC):

CAS No. 64742-49-0 >75 % Aliphatic hydrocarbons
Xn: Harmful. F: Highly flammable. N: Dangerous for the environment. R11:
Highly flammable. R65: Harmful: may cause lung damage if swallowed. R51/53:
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic
environment.

CAS No. 67-63-0 <25 % Isopropanol
Xi: Irritant. F: Highly flammable. R11: Highly flammable. R36: Irritating to
eyes. R67: Vapours may cause drowsiness and dizziness.

2.3 Further information None.

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3 Hazards identification

Highly flammable. Harmful: may cause lung damage if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4 First aid measures

- 4.1 Eye contact Flush eyes with plenty of water.
- 4.2 Skin contact Remove residues with soap and water.
- 4.3 Ingestion Do not induce vomiting. Do not take in resorption stimulating agents.
- 4.4 Inhalation Take into fresh air.
- 4.5 Further information None.
-

5 Fire-fighting measures

- 5.1 Suitable extinguishing media Carbon dioxide, dry chemical and protein based foam.
- 5.2 Extinguishing media to avoid DO NOT USE WATER JET.
- 5.3 Flash point Test method:
DIN 51755
- 5.4 Ignition temperature DIN 51794
- 5.5 Explosion limits Lower: 0.7 Vol%
Upper: 12.7 Vol% ((1013 mbar))
- 5.6 Further information Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed.
-

6 Accidental release measures

Ensure adequate venting.
Remove or keep away from sources of ignition.
Do not allow to flow off into the drains or waters.
Spills should be contained by, and covered with suitable absorbent material and removed for disposal.

7 Handling and storage

- 7.1 Handling Provide adequate ventilation.
Evolving vapours are heavier than air and may present a fire and explosion hazard. They can accumulate in lower areas or may travel along the ground to an ignition source and flash back.
Take precautionary measures against electrostatic charging.
- 7.2 Industrial hygiene Avoid breathing mists.
As this product exhibits de-fattening properties, contact with skin should be avoided.
- 7.3 Storage Store containers tightly closed in a well ventilated area.
- 7.4 Place of storage Store containers closed and protect against rain, dust, heat and other

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atmospheric influences.

7.5 Fire- and explosion-protection Take precautions to avoid accumulation of static charge.
Keep away from sources of ignition.

8 Exposure controls / Personal protection

8.1 Technical measures Use only with adequate ventilation.
8.2 Control of threshold limits None established.
8.3 Personal protective equipment
8.3.1 Respiratory protection None required.
8.3.2 Hand protection Solvent resistant gloves.
8.3.3 Eye protection Use safety glasses.
8.3.4 Other None.

9 Physical and chemical properties

9.1 Appearance liquid
9.2 Colour colourless
9.3 Odour solvent
9.4 Change of physical state Test method:
Boiling range DIN 53171

9.5 Density 0.74 g/cm³ (20°C) ASTM D 4052

9.6 Vapour pressure 42 hPa (20°C)

9.7 Viscosity <3 mPa·s (20°C) DIN 51562-1

9.8 Solubility
in water partially miscible

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9.9 pH

not applicable

9.10 Further information

None.

10 Stability and reactivity

- 10.1 Thermal decomposition No decomposition when distilled at standard pressure.
- 10.2 Hazardous decomposition products None known. Complete combustion will give carbon dioxide and water.
- 10.3 Hazardous reactions With strong oxidisers.
- 10.4 Further information The product is highly flammable.

11 Toxicological information

- 11.1 Acute toxicity The oral LD50 for rats is >2000 mg/kg.
- 11.2 Subacute / Chronic toxicity
- 11.3 Further information None.

12 Ecological information

Water Hazard Class (Germany): Class 2 (self assessment): hazardous for water.

13 Disposal considerations

- Dispose of according to local and national regulations.
- 13.1 EU/CH waste key 07 06 04 other organic solvents, cleaning fluids and mother liquor

14 Transport information

- 14.1 Transport at land
- | | | | |
|----------------------|------|---------------|---|
| ADR | 3 | RID | 3 |
| UN Number | 3295 | Kemler Number | 33 |
| Packing Group | | | II |
| Proper shipping name | | | HYDROCARBONS, LIQUID, N.O.S. (HEPTANE SOLUTION) |
- 14.2 Transport at sea
- | | | | |
|----------------------|----------|------|---|
| ADNR | | IMDG | 3 |
| UN Number | 3295 | | |
| EMS | F-E, S-D | MFAG | |
| Packing Group | | | II |
| Proper shipping name | | | HYDROCARBONS, LIQUID, N.O.S. (HEPTANE SOLUTION) |

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14.3	Air transport	ICAO / IATA-DGR	3
		UN Number	3295
		Packing Group	II
		Proper shipping name	HYDROCARBONS, LIQUID, N.O.S. (HEPTANE SOLUTION)
	Passenger airplane	Packing Instructions	305
		max.	5 L
	Cargo Airplane	Packing Instructions	307
		max.	60 L
14.4	Further information	The product is classified for transportation.	

15 Regulatory information This product requires classification according to the criteria of the EC and the "Gefahrstoffverordnung".

15.1 National regulations

15.2 NFPA Storage

15.3 Further information None.

16 Other information No other information.

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.