US Material Safety Data Sheet CARBURETOR Spray

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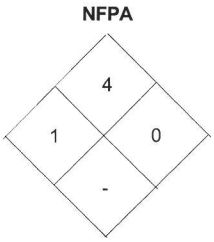
Company: BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal, Switzerland

1 Commercial product name and supplier

1.1 Commercial product name / Designation: **CARBURETOR Spray**

37040091



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H	1
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1.2 Application / Use: Carburetor cleaner

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 24 Hour Emergency Assistance: USA + Canada: 1 800 424 9300 (Chemtrec Chemical Manufacturers Association, Arlington, VA 22209)

General MSDS Assistance

1.6 Product No.

2 Composition

2.1 Chemical characterization: White spirit (aromatics >25%)
Ketons
Propane/butane (propellant)
Alcohols
Additives

2.2 Hazardous components: Components contributing to hazard:

CAS No. 64742-82-1: 20-30 % Turpentine substitute (White Spirit), benzene <0.1%

Xn: Harmful. N: Dangerous for the environment. R10: Flammable. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

MAK values : 350 mg/m3

CAS No. 67-63-0: 10-20 % Isopropyl alcohol

Xi: Irritant. F: Highly flammable. R11: Highly flammable. R36: Irritating to eyes. R67: Vapours may cause drowsiness and dizziness.

MAK values : 1000 mg/m3

CAS No. 67-64-1 — 10-20 % 2-Propanone (Acetone)

Xi: Irritant. F: Highly flammable. R11: Highly flammable. R36: Irritating to eyes. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.

MAK values : 1200 mg/m3

CAS No. 108-88-3 — 5-10 % Toluene

Xn: Harmful. F: Highly flammable. R11: Highly flammable. R38: Irritating to skin. R63: Possible risk of harm to the unborn child. R65: Harmful: may cause lung damage if swallowed. R67: Vapours may cause drowsiness and dizziness. R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

MAK values : 190 mg/m3

CAS No. 74-98-6 — 5-15 % Propane

F+: Extremely flammable. R12: Extremely flammable.

MAK values : 1800 mg/m3

CAS No. 106-97-8 — 25-35 % Butane

F+: Extremely flammable. R12: Extremely flammable.

MAK values : 1900 mg/m3

2.3 Further information

3 Hazards identification

Extremely flammable. Harmful: may cause lung damage if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Can is under pressure. Protect from direct sunlight and temperatures above 50°C (122°F). Do not pierce or burn can after use. Do not spray towards flame or incandescent object.
Keep away from sources of ignition - No smoking. Keep out of the reach of children.

4 First aid measures

No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

4.1 Eye contact — Flush eyes with plenty of water.

4.2 Skin contact — Remove residues with soap and water.

4.3 Ingestion

4.4 Inhalation — Take into fresh air.

4.5 Further information

5 Fire-fighting measures

5.1 Suitable extinguishing media — Carbon dioxide, dry chemical and protein based foam.

5.2 Extinguishing media to avoid — Water spray.

Test method:

5.3 Flash point

5.4 Ignition temperature — 932 °F

5.5	Explosion limits	Lower: 2.1 Vol% Upper: 9.5 Vol% ((1013 mbar))
5.6	Further information	None.

6 Accidental release measures

Ensure adequate venting.
Remove or keep away from sources of ignition.
Spills should be contained by, and covered with suitable absorbent material and removed for disposal.

7 Handling and storage

7.1	Handling	Do not spray towards flame or incandescent object. Keep away from sources of ignition - No smoking.
7.2	Industrial hygiene	Avoid breathing mists.
7.3	Storage	Protect from direct sunlight and temperatures above 50°C (122°F). Keep out of the reach of children.
7.4	Place of storage	Store containers closed and protect against rain, dust, heat and other atmospheric influences.
7.5	Fire- and explosion-protection	Use only if ventilation is good.

8 Exposure controls / Personal protection

8.1	Exposure controls	Good general ventilation should be sufficient for most processing operations.
8.2	Exposure limit values	None established for the mixture.
8.3	Occupational exposure controls	
8.3.1	Respiratory protection	None required.
8.3.2	Hand protection	None required.
8.3.3	Eye protection	None required.
8.3.4	Other	
8.4	Environmental exposure controls	

9 Physical and chemical properties

9.1	Appearance	liquified gas	
9.2	Colour	colourless	
9.3	Odour	solvent	
9.4	Change of physical state		Test method:

9.5	Density	0.67 g/cm³ (20°C)	ASTM D 4052
9.6	Vapour pressure	3200 mbar (20°C)	
9.7	Viscosity	<1 mm²/s (40°C)	DIN 51562-1
9.8	Solubility in water	insoluble	
9.9	pH	not applicable	
9.10	Further information Part. coeff. n-octanol/water Evaporat. rate		

10 Stability and reactivity

10.1	Thermal decomposition	Stable under recommended storage conditions.
10.2	Hazardous decomposition products	None under normal conditions of storage and use.
10.3	Conditions / materials to avoid	No hazards known.
10.4	Further information	

11 Toxicological information

11.1	Acute toxicity	No relevant information found.
11.2	Subacute / Chronic toxicity	
11.3	Further information	

12 Ecological information

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

12.2 Mobility

12.3 Persistence and degradability

12.4 Bioaccumulative potential

12.5 Further information

13 Disposal considerations

Comply with local and national regulations.

14 Transport information

14.1 Transport at land

ADR	2	RID	2
UN Number	1950	Kemler Number	
Packing Group			
Proper shipping name	AEROSOLS		

14.2 Transport at sea

ADNR		IMDG	2
UN Number	1950		
EMS	F-D, S-U	MFAG	
Packing Group			
Proper shipping name	AEROSOLS, FLAMMABLE		
Marine pollutant			

14.3 Air transport

ICAO / IATA-DGR		2.1
UN Number		1950
Proper shipping name		AEROSOLS, FLAMMABLE
Subsidiary Risk		
Labels		Flammable gas
Packing Group		
Passenger airplane	Packing Instructions	Y203
	max.	30 kg G
Cargo Airplane	Packing Instructions	203
	max.	75 kg

14.4 Further information

The product is classified for transportation.
U.S. DOT hazard classification: ORM-D. Carton must bear ORM-D marking and orientation arrows.

15 Regulatory information

Classification according to EEC criteria.

15.1 National regulations

15.2 NFPA Storage

15.3 Further information

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.