

US Material Safety Data Sheet Chain Clean 611 (US Variante)

Date of issue / Reference 02/09/2009 uh
Replaces version of
Date of printing 07/14/2009 Sheet No. 2446 Version 1 Page 1 of 5

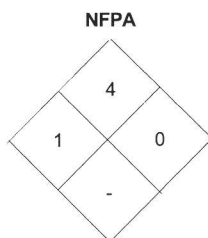
Company BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal, Switzerland

1 Commercial product name and supplier

1.1 Commercial product name / Designation

Chain Clean 611 (US Variante)

36200003



HMIS	
H	1
F	4
R	0
C	-

1.2 Application / Use

Chain 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

Petrol fraction (aromatics <0,5%)
Alcohols
Propane/butane (propellant)
Additives

2.2 Hazardous components

Components contributing to hazard:

CAS No. 64742-48-9 50-70 % Aliphatic hydrocarbons, benzene < 0.1 %

Xn: Harmful. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.

MAK values : 1200 mg/m3

CAS No. 67-64-1 10-25 % 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. 74-98-6 / 10 10 % Propane/Butane-Mixture (20/80)

F+: Extremely flammable. R12: Extremely flammable.

MAK values : 1800 mg/m3

2.3 Further information

US Material Safety Data Sheet Chain Clean 611 (US Variante)

Date of issue / Reference	02/09/2009	uh		
Replaces version of				
Date of printing	07/14/2009	Sheet No. 2446	Version 1	Page 2 of 5

3 Hazards identification	Extremely flammable. Harmful: may cause lung damage if swallowed. 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.
5.3 Flash point	Test method: Pressurized gas
5.4 Ignition temperature	
5.5 Explosion limits	Lower: 2.1 Vol% Upper: 9.5 Vol% ((1013 mbar))
5.6 Further information	None.

6 Accidental release measures	Spills should be contained by, and covered with suitable absorbent material and removed for disposal.
--------------------------------------	---

7 Handling and storage	
7.1 Handling	Keep away from sources of ignition - No smoking. Do not spray towards flame or incandescent object.
7.2 Industrial hygiene	Avoid breathing mists.
7.3 Storage	Keep out of the reach of children. Protect from direct sunlight and temperatures above 50°C (122°F).
7.4 Place of storage	

US Material Safety Data Sheet Chain Clean 611 (US Variante)

Date of issue / Reference	02/09/2009	uh		
Replaces version of				
Date of printing	07/14/2009	Sheet No. 2446	Version 1	Page 3 of 5

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	green apple	
9.4	Change of physical state		Test method:
9.5	Density	0.746 g/cm ³ (20°C)	ASTM D 4052
9.6	Vapour pressure	3200 mbar (20°C)	
9.7	Viscosity	<1 mm ² /s (40°C)	DIN 51562-1
9.8	Solubility in water	partially miscible	
9.9	pH	not applicable	

US Material Safety Data Sheet Chain Clean 611 (US Variante)

Date of issue / Reference 02/09/2009 uh
Replaces version of
Date of printing 07/14/2009 Sheet No. 2446 Version 1 Page 4 of 5

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 The estimated oral LD50 for rats is >2000 mg/kg.
11.2 Subacute / Chronic toxicity
11.3 Further information

12 Ecological information

- 12.1 Ecotoxicity
12.2 Mobility
12.3 Persistence and degradability
12.4 Bioaccumulative potential
12.5 Further information Water Hazard Class (Germany): Class 2 (self assessment):
hazardous for water.

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 ADN R IMDG 2

UN Number 1950
EMS F-D, S-U MFAG
Packing Group
Proper shipping name Aerosols, flammable, n.o.s.
Marine pollutant

US Material Safety Data Sheet Chain Clean 611 (US Variante)

Date of issue / Reference 02/09/2009 uh
Replaces version of
Date of printing 07/14/2009 Sheet No. 2446 Version 1 Page 5 of 5

14.3	Air transport	ICAO / IATA-DGR	2.1
		UN Number	1950
		Proper shipping name	Aerosols, flammable, n.o.s.
		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.

This safety data sheet has been generated with the safety database 'ChemManager',
© ASSIST Applied Software Solutions in Science and Technology AG,
Weiherweg 3, CH-4104 Oberwil, Switzerland

