

# US Safety Data Sheet

JOKER 440 SPRAY



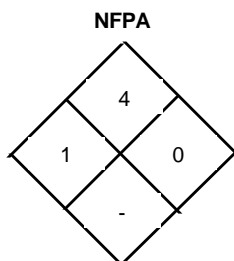
Date of issue / Reference 03/21/2007 uh  
Replaces version of 07/20/2005 uh  
Date of printing 03/21/2007 **Sheet No. 82**

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 **JOKER 440 SPRAY**



HMIS	
H	1
F	4
R	0
C	-

1.2 Application / Use Cleaning, lubrication, anticorrosive

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 (aromatics <25%)  
Propane/butane (propellant)  
Additives  
Synthetic esters

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

CAS No. 106-97-8	<35 % Butane F+: Extremely flammable. R12: Extremely flammable.
CAS No. 74-98-6	<10 % Propane F+: Extremely flammable. R12: Extremely flammable.
CAS No. 64742-82-1	<20 % 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.

2.3 Further information

# US Safety Data Sheet

JOKER 440 SPRAY



Date of issue / Reference 03/21/2007 uh  
Replaces version of 07/20/2005 uh  
Date of printing 03/21/2007 **Sheet No. 82**

Page 2 of 5

---

**3 Hazards identification** Extremely flammable.  
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 Pressurized gas

5.4 Ignition temperature

5.5 Explosion limits Lower: 2.1 Vol% ((1013 mbar))  
Upper: 9.5 Vol%

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 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

7.5 Fire- and explosion-protection Use only if ventilation is good.

# US Safety Data Sheet

JOKER 440 SPRAY



Date of issue / Reference 03/21/2007 uh  
Replaces version of 07/20/2005 uh  
Date of printing 03/21/2007 **Sheet No. 82**

Page 3 of 5

---

## 8 Exposure controls / Personal protection

- 8.1 Technical measures Good general ventilation should be sufficient for most processing operations.
- 8.2 Control of threshold limits None established for the mixture.
- 8.3 Personal protective equipment
  - 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

---

## 9 Physical and chemical properties

- 9.1 Appearance liquified gas
- 9.2 Colour colourless to light yellow
- 9.3 Odour solvent
- 9.4 Change of physical state Test method:
  
- 9.5 Density 0.73 g/cm<sup>3</sup> (20°C) ASTM D 4052
  
- 9.6 Vapour pressure 3200 mbar (20°C)
  
- 9.7 Viscosity <1 mm<sup>2</sup>/s (40°C) DIN 51562-1
  
- 9.8 Solubility in water insoluble
  
- 9.9 pH not applicable

# US Safety Data Sheet

JOKER 440 SPRAY



Date of issue / Reference 03/21/2007 uh  
Replaces version of 07/20/2005 uh  
Date of printing 03/21/2007 **Sheet No. 82**

Page 4 of 5

## 9.10 Further information

---

### 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 Hazardous reactions 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

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

---

### 13 Disposal considerations

Comply with local and national regulations.

- 13.1 EU/CH waste key 16 01 99 Waste o.n.s
- 

### 14 Transport information

- 14.1 Transport at land
- |                      |                             |               |   |
|----------------------|-----------------------------|---------------|---|
| ADR                  | 2                           | RID           | 2 |
| UN Number            | 1950                        | Kemler Number |   |
| Packing Group        |                             |               |   |
| Proper shipping name | Aerosols, flammable, n.o.s. |               |   |
- 14.2 Transport at sea
- |                      |                             |      |   |
|----------------------|-----------------------------|------|---|
| ADNR                 |                             | IMDG | 2 |
| UN Number            | 1950                        |      |   |
| EMS                  | F-D, S-U                    | MFAG |   |
| Packing Group        |                             |      |   |
| Proper shipping name | Aerosols, flammable, n.o.s. |      |   |

# US Safety Data Sheet

JOKER 440 SPRAY



Date of issue / Reference 03/21/2007 uh  
Replaces version of 07/20/2005 uh  
Date of printing 03/21/2007 **Sheet No. 82**

Page 5 of 5

---

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