



EC SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SDS

Pages: 7

Printed: 16.02.2018

revision: 01.03.2021

Trade name: WKS Special Chain Lubricant Spray 150 ml + 500 ml

Manufacturer/Supplier: Wippermann jr. GmbH

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

1.1 Trade name/name of product: **WKS Special Chain Lubricant Spray 150 ml + 500 ml**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of use - industry/trade/consumer: Lubricant

1.3. Details of the supplier of the safety data sheet

- Supplier: **Wippermann jr. GmbH**
Delsterner Strasse 133
58091 Hagen

Tel.: 02331 728-0

Fax: 02331 782-357

Email address: info@wippermann.com

1.4 Emergency telephone number

Emergency telephone number: +49 (0)6131/19240 (Giftinformationszentrale Mainz)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to 75/324/EEC of 20 May 1975

Last amended by: Aerosol Directive 94/1/EC of 6 January 1994

Directive 2013/10/EU for amendment of the Aerosol Directive 75/324/EEC (GHS)

EC Directive 1272/2008

Hazard class	Hazard category	Hazard statement
Extremely flammable aerosol	Category 1	H222; H229; EUH066
Classification according to Directive 67/548/EEC or 1999/45/EC		
Aerosol Directive 75/324/EEC of 20 May 1975 last amended by: Aerosol Directive 94/1/EC of 6 January 1994		

R 12 Highly flammable

2.2 Label elements:

Labelling according to Regulation (EC) No. 1272/2008 and Regulation 2013/10/EU for amendment of the Aerosol Directive 75/324/EEC (GHS)

Hazard pictograms:



Signal word: Danger

Hazard Statements:

H222: Extremely flammable aerosol.

H229: Pressurized container: May burst if heated.

EUH066: Repeated exposure may cause skin dryness or cracking.



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Precautionary Statements:

P102 Keep out of reach of children.

P211 Do not spray on an open flame or other ignition source.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.

Supplemental Hazard Information:

Without adequate ventilation, formation of explosive mixtures may be possible.

2.3 Other hazards

Risk of bursting of containers if overheated. In extensive use, formation of flammable/explosive vapour-air mixture is possible.

Spray jet flammable. Contents "combustible".

SECTION 3 Composition/Information on ingredients

3.2 Mixtures

• Chemical characterization: Pressurized aerosol containers with preparation of compressed aerosol and substances specified below with non-hazardous admixtures.

• Hazardous ingredients

CASNo.:	EC No.	INDEX:	Name	Quantity %	Hazard class / Hazard category	Hazard statements	Classification (67/548/EEC)
74-98-6	200-827-9	601-003-00-5	Propane	5-10	Flam.Gas, 1; Press.Gas	H220, H280	F+, R12
106-97-8	203-448-7	601-004-00-0	Butane	25-35	Flam.Gas, 1; Press.Gas	H220, H280	F+, R12
64742-82.1			aliphatic/aromatic Hydrocarbon mixture	15-25	Asp.Tox. 1	*H304 EUH066	*Xn, R65 R6

*Does not apply to aerosol dispensers (EC 1272/2008 Annex I Sect. 1.3.3)

For the full text of the hazard statements specified in this section, see Section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

- General information: The following basically applies: In the event of persistent symptoms, receive medical treatment.
- In case of inhalation: Remove casualty into fresh air, apply rescue breathing if applicable, warm casualty. In case of unconsciousness, position and transport casualty in recovery position.
- In case of skin contact: Wash off with water and soap immediately.
- In case of eye contact: Rinse thoroughly with water for several minutes.
- In case of swallowing: Rinse mouth thoroughly and drink a copious amount of water. DO NOT induce vomiting.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media: CO₂, extinguishing powder or water jet. Fight larger fire with water spray or alcohol-stable foam.
- Unsuitable extinguishing media: Water with full jet.

5.2 Special hazards arising from the substance or mixture

- Special hazards through preparation: Overheated pressurized aerosol containers may burst and hurl away with high impact (danger of injury, danger of explosive vapour).
- Combustion products or resulting gases: carbon monoxide and other (not specified).

5.3 Advice for firefighters

- Special protective equipment: Breathing apparatus
- Additional information: If no direct fire exposure or great heat has occurred yet, move stock goods to safe location or protect against overheating (e.g. by sprinkling with water).



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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Personal precautions: Ensure adequate ventilation. Keep away from heat and ignition sources. Wear protective gloves and sort out leaking containers. Do not inhale aerosol.

6.2 Environmental precautions

- Environmental precautions: Prevent penetration into sewage system, soil or watercourses.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning/absorption: Take up with liquid-absorbent material. Dispose of contaminated material as hazardous waste.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Advice on safe handling:

Danger. Extremely flammable aerosol. Pressurized container: May burst if heated. Protect from sunlight. Do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep out of reach of children. Repeated exposure may cause skin dryness or cracking. Without adequate ventilation, formation of explosive mixtures may be possible. Never place or store tins close to spark, ignition or heat sources.

Hygiene measures: Do not inhale aerosol. Keep away from food, drink and animal foodstuffs. At work, do not eat, drink, smoke. Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage rooms and vessels: Ventilate store-rooms thoroughly. Protect against frost, heat and moisture.

Comply with TRGS 510 storage regulations

- Advice on storage assembly: For storage of pressurized aerosol containers together with flammable liquids, see No. 6.11, Section 6 TRbF (Technical Regulations for Combustible Liquids) 110 and TRGS (Technical Rules for Hazardous Substances) 510. For pressurized aerosol containers containing hazardous substances, see Section 24 German Hazardous Substances Ordinance (GefStoffV).

- Further information on storage conditions: - none -

Fire and explosion precautions: Extremely flammable aerosol. Pressurized container: May burst if heated.

Protect from sunlight. Do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Use water spray jet for cooling closed containers. Overheated pressurized aerosol containers may burst and hurl away with high impact (danger of injury, danger of explosive vapour).

Storage class: 2B (TRGS [Technical Rules for Hazardous Substances] 510)

SECTION 8: Exposure controls/personal protection**8.1 Control parameters:**

Occupational exposure limits

CAS No.:	Name	%	Type	Value	Unit	
74-98-6	Propane	5-10	MAK	1000 1800	ml/m ³ (ppm) mg/m ³	TLV (Germany)
106-97-8	Butane	25-35	MAK	1000 2400	ml/m ³ (ppm) mg/m ³	TLV (Germany)
64742-82-1	aliphatic/aromatic Hydrocarbon mixture	15-25	TRGS 900/901	350	mg/m ³	



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8.2 Exposure controls

- Personal protective equipment

Respiratory protection

Note: If ventilation insufficient, wear respiratory protection. Required, if threshold values are exceeded.

Hand protection

Note: Solvent-resistant gloves. As the product is a mixture of several substances, resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

In case of first signs of wear, replace protective gloves.

Eye protection

Note: Tightly fitting goggles

- Protection and hygiene precautions: Ensure sufficient ventilation, avoid contact with eyes and skin, do not eat, drink or smoke.

Environmental exposure controls

General information: Avoid penetration into subsoil. Avoid penetration into surface water or sewage system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Aerosol/liquid
- Colour: Brown
- Odour: Product-specific
- Change of physical state: Sprayed compressed gas becomes gaseous immediately. Sprayed solvents quickly evaporate.
- Boiling point/boiling range: n.a. *(not applicable)
- Flash point: n.a. *
- Flammability. Spray mist and evaporation vapours are extremely flammable.
- Ignition temperature: n.a. *
- Self Ignition: No
- Oxidizing properties: If overheated
- Explosive properties: If overheated containers may burst/break. Formation of explosive vapour/air mixtures may be possible.
- Explosion limits: n.a. *
- Vapour pressure – here: internal pressure of aerosol. At 50°C maximum 2/3 of tin test pressure.
- Density – here: Apparent density at 20°C = 0.721
- Solubility in water: No
- Solvent content: 15-25%

*The final compound in the pressurized aerosol containers only develop after adding compressed gas.

*-Specifications cannot be measured in hermetically sealed, pressurized containers.

SECTION 10: Stability and Reactivity:

10.1 Reactivity

Note: No decomposition if used and stored in accordance with specifications

10.2 Chemical stability

Note: Stable under specified storage conditions

10.3 Possibility of hazardous reactions

Hazardous reactions: Without adequate ventilation, formation of explosive mixtures may be possible.

10.4 Conditions to avoid

Conditions to avoid: Heat, flames and sparks. Risk of bursting of containers if heated

10.5 Incompatible materials

Materials to avoid: strong oxidizing media

10.6 Hazardous decomposition products

Hazardous decomposition products: In case of combustion or intense heat: carbon monoxide and other (not specified).



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity:
- LD/LC 50-values relevant to classification

Component	Type	Value	Species
Propane	inhalation 4h	>20 mg/l	rat
Butane	inhalative (LC50/4h)	658mg/l	rat

No information available.

- Primary irritant effect
- on the skin: None.
- at the eye: None.
- Sensitization: None.
- Additional toxicological information: Inhalation of highly concentrated spray mist/vapour has a narcotic effect.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

The product is lighter than water.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The product is neither a PBT or vPvB substance nor does it contain PBT or vPvB substances.

12.6 Other adverse effects

Do not allow undiluted and/or larger quantities to be released into the sewage system or watercourses

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product:
- Completely emptied pressurized aerosol containers pursuant to Section 3 (11) Packaging Ordinance
EWC No.: 150104 Metal packaging
- Filled pressurized aerosol containers
EWC No.: The waste code according to the Waste Catalogue Ordinance (AVV) depends on the waste producer and can therefore be different within one product. Therefore, the waste code must be determined by each waste producer separately.
- Recommendation: Filled pressurized aerosol containers – also if they contain residual material – are hazardous waste and must be disposed of accordingly.
Dispose of only completely emptied aerosol containers.



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SECTION 14: Transport Information

14.1 UN Number

1950

14.2 UN proper shipping name

ADR: Pressurized aerosol containers

RID: Pressurized aerosol containers

IMDG: Aerosols

ICAO/IATA: Aerosols, flammable

14.3 Transport hazard class(es)

ADR Class: 2 (pressurized aerosol containers are classified as limited quantities)

(hazard label, classification code, hazard identification number, tunnel restriction code):

*2.1, 5F, LQ2, (D)

*Pressurized aerosol containers are classified according to column 7a as LQ2 (1L).



RID Class: 2 (Pressurized aerosol containers are classified as limited quantities)

(hazard label, classification code, hazard identification number):

*2.1, 5F, LQ2

*Pressurized aerosol containers are classified according to column 7a as LQ2 (1L).

IMDG Class: 2

(hazard label; EmS):* 2.1, F-D, S-U *remark in the transport document: Transport according to 28,Amdt., limited quantities

ICAO/IATA Class: 2.1 UN-approved packaging required



14.4 Packing Group

ADR : --

RID : --

IMDG: --

14.5 Environmental hazards

Labelling pursuant to 5.2.1.8 ADR : no (limited quantities)

Labelling pursuant to 5.2.1.8 RID : no (limited quantities)

Labelling pursuant to 5.2.1.6.3 IMDG: no (limited quantities)

Labelling as environmental hazard pursuant to 2.9.3 IMDG: no (limited quantities)

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG: Not applicable



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SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water hazard class (DE): water hazard class 2; hazardous to water; water hazard class (DE);

Self-classification according to VwVwS (German Administrative Regulation Regarding Water Pollutants) of 17 May 1999, Annex 4

Hazardous Incident Ordinance: The quantity thresholds according to the Hazardous Incident Ordinance must be complied with.

Other regulations: TRG 300 (Technical Regulations for Compressed Gases), employment restriction: The protective restrictions of employment specified in the Youth Employment Protection Act and the Maternity Protection Guideline Regulation must be complied with.

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

R 12 Highly flammable

R 65 Harmful to health: may cause lung damage if swallowed.

R 66 Repeated exposure may cause skin dryness or cracking.

Full text of H-phrases referred to under sections 2 and 3

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H229 Pressurized container: May burst if heated.

H280 Contains pressurized gas; may explode if heated.

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

Further information

Other specifications: Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. The information is intended to give advice on the safe handling of the product specified in this SDS during storage, processing, transport and disposal. The information cannot be transferred to other products. For professional users only. Obtain special instructions before use.