

Printing date: 29.11.2023 Version: 29 (replaces version 28) Revision: 29.11.2023

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

· Product identifier

· **Trade name:** JLM Contact Spray

Article number: J04240 Ufi code: 21RC-M00A-R00C-D78

- · Relevant identified uses of the substance or mixture and uses advised against -
- · Application of the substance / the mixture Cleaner solvent
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

JLM Lubricants by

Schiphol Boulevard 127

1118 BG Schiphol

The Netherlands

Tel: +31 (0) 20 2014995

- Further information obtainable from: Research & Development: info@jlmlubricants.com
- · Emergency telephone number: During normal business hours: Tel: +31 (0) 20 2014995

SECTION 2: Hazards identification

· Classification of the substance or mixture



H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. Aerosol 1



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.

- · Label elements
- · GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

· Hazard pictograms







GHS02

GHS07

- · Signal word Danger
- · Hazard-determining components of labelling:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane propan-2-ol

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· Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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

smoking.

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

P251 Do not pierce or burn, even after use. P260 Do not breathe mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P403 Store in a well-ventilated place.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

· Additional information:

Buildup of explosive mixtures possible without sufficient ventilation.

- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable. · **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- ·Mixtures
- · **Description:** Cleansing agent

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	25-<50%
ethanol Flam. Liq. 2, H225 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	10-<25%
propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-<25%
methane, dimethoxy- Flam. Liq. 2, H225	10-<25%
Carbon dioxide Press. Gas (Liq.), H280	2.5-<10%
	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336 ethanol Flam. Liq. 2, H225 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 % propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 methane, dimethoxy- Flam. Liq. 2, H225 Carbon dioxide

 Ingredients 	according	to detergents	guidline	648/2004/EC

aliphatic hydrocarbons ≥30%

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· Additional information:

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Aerosols and containers fitted with a solid atomizer containing substances or mixtures classified as hazardous by aspiration shall not be labelled for that hazard.

The text of the hazard statements mentioned here can be found in chapter 16.

SECTION 4: First aid measures

- · Description of first aid measures
- · After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: Do not induce vomiting; call for medical help immediately.
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

Water haze

Fire-extinguishing powder

Carbon dioxide

Alcohol resistant foam

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: Mount respiratory protective device.

SECTION 6: Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

- · Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
- · Information about fire and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

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- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

· Information about storage in one common storage facility:

Observe official regulations on storing packagings with pressurised containers.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Control parameters

· Ingredients	with limit	values that	require	monitoring	at the	worknlace

64-17-5 ethanol

WEL Long-term value: 1920 mg/m³, 1000 ppm

67-63-0 propan-2-ol

WEL Short-term value: 1250 mg/m³, 500 ppm Long-term value: 999 mg/m³, 400 ppm

109-87-5 methane, dimethoxy-

WEL Short-term value: 3950 mg/m³, 1250 ppm Long-term value: 3160 mg/m³, 1000 ppm

124-38-9 Carbon dioxide

WEL Short-term value: 27400 mg/m³, 15000 ppm Long-term value: 9150 mg/m³, 5000 ppm

·DNELs

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
		773 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-systemic	608 mg/m3 (Consumer)
		2035 mg/m3 (Worker)

67-63-0 propan-2-ol

or of propulation				
Oral	DNEL Long term-systemic	26 mg/kg bw/day (Consumer)		
Dermal	DNEL Long term-systemic	319 mg/kg bw/day (Consumer)		
		888 mg/kg bw/day (Worker)		
Inhalative	DNEL Long term-systemic	89 mg/m3 (Consumer)		
		500 mg/m3 (Worker)		
A 7 7 6 4 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				

- · Additional information: The lists valid during the making were used as basis.
- · Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

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Safety data sheet according to 1907/2006/EC, Article 31. (2020/878)

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General ventilation

· Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A2/P2

· Hand protection



Protective gloves

Solvent resistant gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material: $\geq 0.5 \text{ mm}$

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection

Safety glasses



Tightly sealed goggles

· Body protection:

Use protective suit. (EN-13034/6)

Fully skin-covering anti-static, chemical- and oil-resistant clothing and safety shoes are recommended. (EN1149; EN340&EN ISO 13688; EN13034-6).

Environmental exposure controls Use an appropriate container to avoid environmental pollution.

SECTION 9: Physical and chemical properties

 \cdot Information on basic physical and chemical properties

· General Information

· Physical state Aerosol

· Colour: According to product specification

Odour: Characteristic
 Odour threshold: Not determined.
 Melting point/freezing point: Undetermined.

· Boiling point or initial boiling point and boiling

range 42.3 °C (109-87-5 methane, dimethoxy-)

· Flammability Not applicable.

· Lower and upper explosion limit

• **Lower:** 0.8 Vol % • **Upper:** 19.9 Vol %

• Flash point: >-30 °C (109-87-5 methane, dimethoxy-)

· Ignition Temperature >200 °C

Mixture is non-polar/aprotic.

· Viscosity:

Kinematic viscosity Dynamic: Not determined Not determined

·Solubility

water: Not miscible or difficult to mix.

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· Partition coefficient n-octanol/water (log value) Not determined. · Vapour pressure at 20 °C: 5200 hPa · Vapor Pressure at 50 °C: 7700 hPa

· Density and/or relative density

· Density at 20 °C: 0.792 g/cm³ · Relative density Not determined. · Vapour density Not determined.

· Other information

· Form: Aerosol

· Important information on protection of health and

environment, and on safety.

· Ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of

explosive air/vapour mixtures are possible.

· Organic solvents: 95.7 % 0.0 % · Solids content: Not applicable. · Evaporation rate

· Information with regard to physical hazard classes

Void · Explosives Void · Flammable gases

Extremely flammable aerosol. Pressurised container: · Aerosols

May burst if heated.

· Oxidising gases Void Void · Gases under pressure Void · Flammable liquids · Flammable solids Void · Self-reactive substances and mixtures Void · Pyrophoric liquids Void · Pyrophoric solids Void · Self-heating substances and mixtures Void · Substances and mixtures, which emit flammable

gases in contact with water Void · Oxidising liquids Void Void · Oxidising solids · Organic peroxides Void · Corrosive to metals Void · Desensitised explosives Void

SECTION 10: Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- · Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

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· LD/LC50	LD/LC50 values relevant for classification:			
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane				
Oral	LD50	>5840 mg/kg (Rat)		
Dermal	LD50	>2920 mg/kg (Rabbit)		
Inhalative	LC50 (4h)	>25 mg/l (Rat)		
67-63-0 propan-2-ol				
Oral	LD50	5840 mg/kg (Rat) (Acute Oral Toxicity)		
Dermal LD50 13900 mg/kg (Rabbit) (Acute Dermal Toxicity)				
Inhalative	Inhalative LC50 (4h) >25 mg/l (Rat)			
	LC50	>25 mg/L (Rat) (Acute Inhalation Toxicity)		

- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- · STOT-single exposure May cause drowsiness or dizziness.
- · Aspiration hazard May be fatal if swallowed and enters airways.
- · Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· Toxicity

· Aquatic toxicity	· Aquatic toxicity:			
Hydrocarbons,	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			
NOELR (72h)	(72h) 3 mg/l (Pseudokirchneriella subcapitata)			
EL50 (48h)	3 mg/l (Daphnia magna)			
EL50 (72h)	30-100 mg/l (Pseudokirchneriella subcapitata)			
LL50 (96h)	0 (96h) 11.4 mg/l (Oncorhynchus mykiss)			
NOEC (21 days)	1 days) 0.17 mg/l (Daphnia magna)			
LOEC (21 days)	LOEC (21 days) 0.32 mg/l (Daphnia magna)			
67-63-0 propan-	67-63-0 propan-2-ol			
EC50	C50 >100 mg/l (Bacteria)			
LOEC (8 days)	LOEC (8 days) 1000 mg/l (algae)			
LC50 (96h)	0 (96h) 9640 mg/l (Pimephales promelas)			
LC50 (24h)	4h) 9714 mg/l (Daphnia magna)			

- · Persistence and degradability Not easily biodegradable
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- vPvB: Not applicable.
- · Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · Other adverse effects
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

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Toxic for aquatic organisms

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SECTION 13: Disposal considerations

- · Waste treatment methods
- ·Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

\cdot]	UN	number	or	ID	number
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UN1950 · ADR, ADN, IMDG, IATA

· UN proper shipping name

· ADR, ADN UN1950 AEROSOLS, ENVIRONMENTALLY

HAZARDOUS

· IMDG AEROSOLS, MARINE POLLUTANT

AEROSOLS, flammable ·IATA

- · Transport hazard class(es)
- · ADR





·Class 2 5F Gases. 2.1

·Label

 \cdot ADN

2 5F · ADN/R Class:

·IMDG





· Class 2.1 Gases. ·Label 2.1

 \cdot IATA



2.1 Gases. · Class 2.1

·Label

· Packing group

· ADR, IMDG, IATA Void

Product contains environmentally hazardous substances: · Environmental hazards:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-

hexane

Symbol (fish and tree) · Marine pollutant:

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	(Contd. of page
Special marking (ADR):	Symbol (fish and tree)
Special precautions for user	Warning: Gases.
Hazard identification number (Keml	ler code): -
EMS Number:	F-D,S-U
Stowage Code	SW1 Protected from sources of heat.
	SW22 For AEROSOLS with a maximum capacity of 1 litro
	Category A. For AEROSOLS with a capacity above 1 litre
	Category B. For WASTE AEROSOLS: Category C, Clear
G G . I	of living quarters.
Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre
	Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
	For AEROSOLS with a capacity above 1 litre:
	Segregation as for the appropriate subdivision of class 2.
	For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of class 2.
Maritime transport in bulk accordin	g to IMO
instruments	Not applicable.
Transport/Additional information:	11
ADR	11.
Limited quantities (LQ)	Code: E0
Excepted quantities (EQ)	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D D
IMDG	17
Limited quantities (LQ)	1L Code: E0
Excepted quantities (EQ)	2000. 20
	Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY
	HAZARDOUS

SECTION 15: Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Poisons Act
- · Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category

E2 Hazardous to the Aquatic Environment

P3b FLAMMABLE AEROSOLS

· Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

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· Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

- · National regulations:
- · Breakdown regulations:

Class	Share in %
NK	75-<100

- · VOC-CH 95.70 %
- · VOC-EU 757.9 g/l
- · Danish MAL Code 3-1
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· Classification according to Regulation (EC) No 1272/2008

Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula).

· Contact: G Groot

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

DNEL: Derived No-Effect Level (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values Aerosol 1: Aerosols – Category 1

Press. Gas (Liq.): Gases under pressure - Liquefied gas

Flam. Liq. 2: Flammable liquids – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

* Data compared to the previous version altered. *

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