

Safety Data Sheet

according to Regulation (EC) No 1907/2006

5063 Methoxal Spray 400 ml

Revision date: 06.02.2024

Product code: 92895

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

1.1. Product identifier

5063 Methoxal Spray 400 ml

UFI: KF89-Q88S-900J-SQVF

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

Use of the substance/mixture

Maintainer, irritant, containing solvents with skin absorptive substances

1.3. Details of the supplier of the safety data sheet

Company name:	Kisling (Deutschland) GmbH	
Street:	Salzstraße 15	
Place:	D-74676 Niedernhall	
Telephone:	+49 7940 50961 61	
E-mail:	technical.support@kisling.com	
Contact person:	Dr. Hans Götz	Telephone: +49 7940 5096 143
E-mail:	compliance@kisling.com	
Internet:	www.kisling.com	

1.4. Emergency telephone number:

24 hr. emergency phone number +1 872 5888271 (KAR)
Medicines & Poisons Info Office +356 2545 6508

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aerosol 1; H222-H229
Asp. Tox. 1; H304
Skin Irrit. 2; H315
STOT SE 3; H336
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

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

Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P102	Keep out of reach of children.
P210	Keep away from heat. No Smoking.
P211	Do not spray on an open flame or other ignition source.

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P251 Do not pierce or burn, even after use.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Special labelling of certain mixtures

Restricted to professional users.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:



Hazard statements

H222-H229-H336

Precautionary statements

P102-P210-P211-P251-P410+P412

2.3. Other hazards

Pressurised container: May burst if heated.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Stripper, irritant, containing solvents with skin absorptive substances

Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
		REACH No
	Classification (Regulation (EC) No 1272/2008)	
64742-49-0	Hydrocarbons C6-C7 n-alkanes - isoalkanes - cyclics - <5% n-hexane	50 - 100 %
	921-024-6	01-2119475514-35
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411	
109-87-5	Dimethoxymethane	10 - 20 %
	203-714-2	
	Flam. Liq. 2; H225	
124-38-9	carbon dioxide	5 - 10 %
	204-696-9	
	Compressed gas; H280	

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
64742-49-0	921-024-6	Hydrocarbons C6-C7 n-alkanes - isoalkanes - cyclics - <5% n-hexane	50 - 100 %
		inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	
109-87-5	203-714-2	Dimethoxymethane	10 - 20 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = 6423 mg/kg	

Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % aliphatic hydrocarbons.

SECTION 4: First aid measures

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4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

Wash with plenty of water. In case of skin irritation, consult a physician.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Get immediate medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Vapours may cause drowsiness and dizziness. Frequently or prolonged contact with skin may cause dermal irritation. Causes eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), Dry extinguishing powder, Foam.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Flammable vapours can accumulate in head space of closed systems. Caution! Transport usually takes place at temperatures above the flash point.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. When using do not eat or drink.

Further information on handling

When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Material, oxygen-rich, Oxidising, Pyrophoric or self-heating substances.

Further information on storage conditions

Keep away from heat.

7.3. Specific end use(s)

Stripper, irritant, containing solvents with skin absorptive substances

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m ³	fib/cm ³	Category	Origin
124-38-9	Carbon dioxide	5000	9000		TWA (8 h)	

DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
64742-49-0	Hydrocarbons C6-C7 n-alkanes - isoalkanes - cyclics - <5% n-hexane			
	Worker DNEL, long-term	inhalation	systemic	2035 mg/m ³
	Worker DNEL, long-term	dermal	systemic	773 mg/kg bw/day
109-87-5	Dimethoxymethane			
	Worker DNEL, long-term	inhalation	systemic	126,6 mg/m ³
	Worker DNEL, long-term	dermal	systemic	17,9 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	31,5 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	18,1 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	18,1 mg/kg bw/day

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PNEC values

CAS No	Name of agent	
Environmental compartment		Value
109-87-5	Dimethoxymethane	
Freshwater		14,577 mg/l
Marine water		1,477 mg/l
Freshwater sediment		13,135 mg/kg
Micro-organisms in sewage treatment plants (STP)		10000 mg/l
Soil		4,654 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles
EN 166

Hand protection

Tested protective gloves must be worn.
Suitable material:
Thickness of the glove material > 0,4mm
> 480 min. EN ISO 374

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing. The type of personal protection equipment has to be chosen based on the concentration and amount of the dangerous substance at the workplace.

Respiratory protection

Work in well-ventilated zones or use proper respiratory protection. Filtering device with filter or ventilator filtering device of type: A (EN 14387)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol	
Colour:	colourless	
Odour:	characteristic	
Melting point/freezing point:		not applicable
Boiling point or initial boiling point and boiling range:		41 °C
Lower explosion limits:		0,8 vol. %
Upper explosion limits:		17,6 vol. %
Flash point:		-18 °C
Auto-ignition temperature:		200 °C
pH-Value:		not applicable
Vapour pressure:		426 hPa
(at 20 °C)		
Density:		0,75 g/cm ³

9.2. Other information

Information with regard to physical hazard classes

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Explosive properties
Vapours can form explosive mixtures with air.

SECTION 10: Stability and reactivity

10.1. Reactivity

Oxidising agent, strong

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Oxidising agent, strong

10.4. Conditions to avoid

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

The product is chemically stable under recommended conditions of storage, use and temperature.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

Carbon dioxide (CO₂), Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicokinetics, metabolism and distribution

No data available

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-49-0	Hydrocarbons C6-C7 n-alkanes - isoalkanes - cyclics - <5% n-hexane				
	oral	LD50 >5000 mg/kg	Rat		OECD 401
	dermal	LD50 >2000 mg/kg	Rat		OECD 402
	inhalation (4 h) vapour	LC50 >20 mg/l	Rat		OECD 403
109-87-5	Dimethoxymethane				
	oral	LD50 6423 mg/kg	Rat	Study report (1982)	OECD Guideline 423
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1989)	OECD Guideline 402

Irritation and corrosivity

Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

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Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons C6-C7 n-alkanes - isoalkanes - cyclics - <5% n-hexane)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience

May be harmful if swallowed, in contact with skin or if inhaled.

SECTION 12: Ecological information

12.1. Toxicity

Do not allow to enter into surface water or drains.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
109-87-5	Dimethoxymethane					
	Acute fish toxicity	LC50 mg/l	> 1000	96 h	Danio rerio	Study report (1991) OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	9120	72 h	Pseudokirchneriella subcapitata	Study report (2015) other: REACH guidance on QSAR R6, May 20
	Acute crustacea toxicity	EC50 mg/l	> 1200	48 h	Daphnia magna	Study report (1991) OECD Guideline 202
	Fish toxicity	NOEC mg/l	450,281	30 d	not relevant	Study report (2012) other: REACH guidance on QSAR R6, May 20
	Algae toxicity	NOEC mg/l	145,77	30 d	algae	Study report (2012) other: REACH guidance on QSAR R6, May 20
	Crustacea toxicity	NOEC mg/l	150,5	30 d	Daphnia magna	Study report (2012) other: REACH guidance on QSAR R6, May 20

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
109-87-5	Dimethoxymethane	0

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BCF

CAS No	Chemical name	BCF	Species	Source
109-87-5	Dimethoxymethane	0,6		REACH Registration D

12.4. Mobility in soil

Product is easily volatile.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
No data available

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
 Hazard label: 2.1



Classification code: 5F
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L
 Excepted quantity: E0

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Transport category: 2
Tunnel restriction code: D

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1



Classification code: 5F
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 959
Limited quantity: 1000 mL
Excepted quantity: E0
EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
Hazard label: 2.1



Special Provisions: A145 A167 A802
Limited quantity Passenger: 30 kg G
Passenger LQ: Y203
Excepted quantity: E0
IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

SECTION 15: Regulatory information

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

EU regulatory information

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Restrictions on use (REACH, annex XVII):

Entry 3, Entry 29, Entry 40

2010/75/EU (VOC): 94,8 % (711 g/l)

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

- Aerosol: Aerosols
- Compressed gas: Compressed gas
- Flam. Liq: Flammable liquid
- Asp. Tox: Aspiration hazard
- Skin Irrit: Skin irritation
- STOT SE: Specific target organ toxicity - single exposure
- Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Bridging principle "Aerosols"
STOT SE 3; H336	Bridging principle "Aerosols"
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

- H222 Extremely flammable aerosol.
- H225 Highly flammable liquid and vapour.
- H229 Pressurised container: May burst if heated.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Washing and cleaning products	IS, PW, C	-	35	7, 11, 19, 28	4, 8d	-	105	

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)