



# Silicon Spray Aerosol

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 25-11-2020 Revision date: 25-11-2020 Supersedes: 26-9-2016 version: 38.3

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Silicon Spray Aerosol  
UFI : NV9Q-AKQV-K31K-JQ3P  
Product code : A201  
Type of product : Aerosol  
Vaporizer : Aerosol

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Use of the substance/mixture : This silicon spray is a colourless and odourless product that protects against rust, dirt and moisture, with good lubrication properties. MPM Silicon spray is very suitable as a lubricant for moving parts that come into direct contact with moisture and is very suitable as a product that protects against the freezing of among other things locks, hinges and rubber door seals.  
Use of the substance/mixture : Automotive care products

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

MPM International Oil Company  
Cyclotronweg 1  
2629 HN Delft Delft - Nederland  
T +31 (0)15 2514030 - F +31 (0)15 2514031  
[msds@mpmoil.nl](mailto:msds@mpmoil.nl) - [www.mpmoil.nl](http://www.mpmoil.nl)

#### 1.4. Emergency telephone number

Emergency number : +31 (0)15 2514030 (08.00 - 17.00 GMT+1)

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222;H229  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Harmful: may cause lung damage if swallowed.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

CLP Signal word

: Danger.

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Hazard statements (CLP)	: H222 - Extremely flammable aerosol. H229 - Pressurised container: May burst if heated. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: 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. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C. P501 - Dispose of contents and container to an approved waste disposal plant. P300 - Without adequate ventilation formation of explosive mixtures may be possible.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
propane	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index-No.) 601-003-00-5 (REACH-no) 01-2119486944-21	25 – 50	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
butane	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index-No.) 601-004-00-0 (REACH-no) 01-2119474691-32	25 – 50	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
isobutane	(CAS-No.) 75-28-5 (EC-No.) 200-857-2 (EC Index-No.) 601-004-00-0 (REACH-no) 01-2119485395-27	10 – 20	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes	(EC-No.) 927-510-4 (EC Index-No.) 01-2119475515-33-xxxx	2,5 – 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	(EC-No.) 921-024-6 (REACH-no) 01-2119475514-35	2,5 – 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

After inhalation	: Take victim to fresh air, in a quiet place and if necessary take medical advice.
After skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
After eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
After ingestion	: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects : shortage of breath. Headache. May be narcotic. Blackout. Nausea. Cough.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Carbon dioxide. Dry powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : May form flammable/explosive vapour-air mixture.  
Explosion hazard : Heat from a fire could result in drum bursting. Vapours may form explosive mixture with air.

### 5.3. Advice for firefighters

- Protection during firefighting : Self-contained breathing apparatus with an air line.  
Other information : Cool containers / tanks with spray water if possible.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Keep public away. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing and eye/face protection. Wear respiratory protection.  
Emergency procedures : Provide adequate ventilation.

#### 6.1.2. For emergency responders

- Protective equipment : Wear respiratory protection. Wear suitable protective clothing and eye/face protection.

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean with the help of detergents.  
Other information : Ensure adequate ventilation.

### 6.4. Reference to other sections

Information on disposal - see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured. Avoid contact with skin and eyes. Take precautionary measures against static discharge. Pressurized container: protect from sunlight and 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.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Store in a closed container. Ensure adequate ventilation, especially in confined areas.  
Storage conditions : Protect from heat and direct sunlight.  
Information on mixed storage : Observe official regulations on storing packagings with pressurized containers.  
Storage area : Keep in a cool, well-ventilated place. Store according to local legislation. Store in a closed container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

butane (106-97-8)		
EU	IOELV TWA (mg/m <sup>3</sup> )	1430 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	600 ppm
Germany	TRGS 910 Acceptable concentration notes	

### 8.2. Exposure controls

#### Personal protective equipment:

Safety glasses. Gloves.

#### Materials for protective clothing:

Wear suitable protective clothing, gloves and eye/face protection

#### Hand protection:

Wear suitable gloves resistant to chemical penetration

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Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	5 (> 240 minutes)	>0,45		

### Eye protection:

Safety goggles

### Skin and body protection:

Wear suitable protective clothing, gloves and eye/face protection

### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. Type AX

### Personal protective equipment symbol(s):



### Other information:

Do not eat, drink or smoke when using this product. Take off contaminated clothing. Always wash hands after handling the product. Avoid inhalation of vapours. Avoid contact with skin. The present safety data sheet is consistent with the specific conditions relied on to justify the registration of the substance in accordance with Article 17 or 18 of the REACH regulation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Gas
Appearance	: Aerosol can.
Colour	: Colourless.
Odour	: aromatic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not determined.
Freezing point	: Not determined.
Boiling point	: Not determined.
Flash point	: Not applicable as aerosol.
Auto-ignition temperature	: > 200 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 580 g/l
Solubility	: Water: not miscible Organic solvent:93,1 %
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Vapour could form explosive mixture with air.
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content	: 538,7 g/l
Other properties	: Product is not explosive. They may form explosive mixtures with air.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

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### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours e.g.: carbon monoxide - carbon dioxide. Aldehydes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### isobutane (75-28-5)

LC50 Inhalation - Rat (Vapours)	> 50 mg/l/4h
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#### propane (74-98-6)

LC50 Inhalation - Rat (Vapours)	20 mg/l/4h
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#### butane (106-97-8)

LC50 Inhalation - Rat (Vapours)	658 mg/l/4h
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### Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes

LD50 oral rat	> 5840 mg/kg
LD50 dermal rat	> 2920 mg/kg
LC50 Inhalation - Rat	> 23,3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat (Vapours)	> 23,3 mg/l/4h

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

LD50 dermal rat	2800 – 3100 mg/kg bodyweight Animal: rat
LC50 Inhalation - Rat	> 25,2 mg/l air Animal: rat

Skin corrosion/irritation	: Not classified
Additional information	: slightly irritant but not relevant for classification.
Serious eye damage/irritation	: Not classified
Additional information	: No irritant effect
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

### Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes

LOAEC (inhalation, rat, vapour, 90 days)	16,6 mg/l air Animal: rat, Animal sex: male
NOAEC (inhalation, rat, vapour, 90 days)	3,3 mg/l air Animal: rat, Animal sex: male

Aspiration hazard	: Not classified
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Vaporizer	Aerosol
Potential adverse human health effects and symptoms	: Irritating. May be narcotic.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

General	: Do not allow into drains or water courses.
Ecology - water	: Harmful to aquatic organisms.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

#### Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes

LC50 fish 1	14,3 mg/l
EC50 Daphnia 1	3 mg/l 48h
EC50 Daphnia 2	0,23 mg/l
EC50 72h algae (1)	10 – 30 mg/l
LOEC (chronic)	0,32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0,17 mg/l Daphnia Magna 21d
NOEC chronic fish	1534 mg/l 28d
NOEC chronic algae	0,1 mg/l 72h

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

LOEC (chronic)	0,32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0,17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

#### 12.2. Persistence and degradability

##### Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes

Persistence and degradability	Biodegradation in water. Readily biodegradable. 81-98 % % biodegradation (O2 consumption),28d.
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#### 12.3. Bioaccumulative potential

##### Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes

Bioaccumulative potential	No data available.
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#### 12.4. Mobility in soil

##### Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes

Soil	No data available.
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#### 12.5. Results of PBT and vPvB assessment

##### Component

Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes ()	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
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#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Do not dispose of with domestic waste.
Waste disposal recommendations	: Remove to an authorized waste treatment plant.
Waste materials	: Conform to current legislation, regulations and orders.
European List of Waste (LoW) code	: 15 01 04 - metallic packaging 16 05 04* - gases in pressure containers (including halons) containing dangerous substances

### SECTION 14: Transport information



In accordance with ADR / IMDG

ADR	IMDG
<b>14.1. UN number</b>	
UN 1950	UN 1950

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14.2. UN proper shipping name	
AEROSOLS	AEROSOLS
Transport document description	
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1
14.3. Transport hazard class(es)	
2.1	2.1
	
14.4. Packing group	
Not applicable	Not applicable
14.5. Environmental hazards	
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No
No supplementary information available	

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : 5F  
Limited quantities (ADR) : 1I  
Transport category (ADR) : 2  
Tunnel restriction code (ADR) : D

#### Transport by sea

Limited quantities (IMDG) : SP277  
EmS-No. (Fire) : F-D  
EmS-No. (Spillage) : S-U

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 538,7 g/l

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Indication of changes:

Section	Changed item	Change	Comments
9.1	Solubility in organic solvents	Added	

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9.2	VOC content	Removed	
15.1	VOC content	Removed	

### Full text of H- and EUH-statements:

Aerosol 1	Aerosol, Category 1
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas.
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.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### SDS MPM REACH

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*