

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

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

#### 1.1 Product identifier

Trade name : MOLYKOTE(R) PTFE-N UV SPRAY  
Product code : 000000000001707213

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

Use of the Sub-stance/Mixture : Lubricants and lubricant additives

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

Company : Dow Corning Europe S.A.  
rue Jules Bordet - Parc Industriel - Zone C  
B-7180 Seneffe

Telephone : English Tel: +49 611237507  
Deutsch Tel: +49 611237500  
Français Tel: +32 64511149  
Italiano Tel: +32 64511170  
Español Tel: +32 64511163

E-mail address of person responsible for the SDS : sdseu@dowcorning.com

#### 1.4 Emergency telephone number

**Dow Corning (Barry U.K. 24h) Tél: +44 1446732350**  
**Dow Corning (Wiesbaden 24h) Tél: +49 61122158**  
**Dow Corning (Seneffe 24h) Tel: +32 64 888240**

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Specific target organ toxicity - single exposure, Category 3	H336: May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
Chronic aquatic toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :

#### Prevention:

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 spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear eye protection/ face protection.

#### Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

#### Storage:

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

Hazardous components which must be listed on the label:

Butane

Butan-1-ol

Naphtha (petroleum), hydrodesulfurized heavy

### 2.3 Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Polytetrafluoroethylene (PTFE)

SAFETY DATA SHEET  
**MOLYKOTE(R) PTFE-N UV SPRAY**

**DOW CORNING**

Version  
1.6

Revision Date:  
30.04.2016

SDS Number:  
1109795-00007

Date of last issue: 19.11.2015  
 Date of first issue: 12.01.2015

**Hazardous components**

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
Acetone	67-64-1 200-662-2 01-2119471330-49	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	>= 20 - < 30
Butan-1-ol	71-36-3 200-751-6 01-2119484630-38	Flam. Liq.3; H226 Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318 STOT SE3; H336 STOT SE3; H335	>= 5 - < 10
Propane	74-98-6 200-827-9	Flam. Gas1; H220 Press. GasLique- fied gas; H280 STOT SE3; H336	>= 1 - < 10
Xylene	1330-20-7 215-535-7 01-2119488216-32	Flam. Liq.3; H226 Acute Tox.4; H332 Acute Tox.4; H312 Skin Irrit.2; H315 Eye Irrit.2; H319 STOT SE3; H335 STOT RE2; H373 Asp. Tox.1; H304	>= 1 - < 10
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1 265-185-4	Flam. Liq.3; H226 STOT SE3; H336 STOT RE1; H372 Asp. Tox.1; H304 Aquatic Chronic2; H411	>= 2.5 - < 10
Ethylbenzene	100-41-4 202-849-4	Flam. Liq.2; H225 Acute Tox.4; H332 STOT RE2; H373 Asp. Tox.1; H304 Aquatic Chronic3; H412	>= 1 - < 10
1,2,4-Trimethylbenzene	95-63-6 202-436-9	Flam. Liq.3; H226 Acute Tox.4; H332 Skin Irrit.2; H315 Eye Irrit.2; H319 STOT SE3; H335 Asp. Tox.1; H304 Aquatic Chronic2; H411	>= 0.1 - < 1
Substances with a workplace exposure limit :			
Butane	106-97-8 203-448-7	Flam. Gas1; H220 Press. GasLique- fied gas; H280 STOT SE3; H336	>= 30 - < 50
n-Butyl acetate	123-86-4 204-658-1	Flam. Liq.3; H226 STOT SE3; H336	>= 10 - < 15

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

01-2119485493-29

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.
- Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
- If inhaled : If inhaled, remove to fresh air.  
Get medical attention.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.  
Get medical attention.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
If easy to do, remove contact lens, if worn.  
Get medical attention immediately.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Get medical attention.  
Rinse mouth thoroughly with water.

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

- Risks : Causes skin irritation.  
Causes serious eye damage.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.

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

- Treatment : Treat symptomatically and supportively.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

Dry chemical

Unsuitable extinguishing media : None known.

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

Specific hazards during fire-fighting : Flash back possible over considerable distance.  
Vapours may form explosive mixtures with air.  
Exposure to combustion products may be a hazard to health.  
If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.

Hazardous combustion products : Carbon oxides  
Formaldehyde  
Fluorine compounds

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.

---

## SECTION 6: Accidental release measures

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

Personal precautions : Remove all sources of ignition.  
Use personal protective equipment.  
Follow safe handling advice and personal protective equipment recommendations.

### 6.2 Environmental precautions

Environmental precautions : Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

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

Methods for cleaning up : Non-sparking tools should be used.  
Soak up with inert absorbent material.  
Suppress (knock down) gases/vapours/mists with a water spray jet.  
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

#### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

---

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- Local/Total ventilation : Use with local exhaust ventilation. Use only in an area equipped with explosion proof exhaust ventilation.
- Advice on safe handling : Do not get on skin or clothing.  
Do not breathe vapours or spray mist.  
Do not swallow.  
Do not get in eyes.  
Handle in accordance with good industrial hygiene and safety practice.  
Keep container tightly closed.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Take care to prevent spills, waste and minimize release to the environment.
- Hygiene measures : Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

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

- Requirements for storage areas and containers : Keep in properly labelled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Do not pierce or burn, even after use. Keep cool. Protect from sunlight.
- Advice on common storage : Do not store with the following product types:  
Self-reactive substances and mixtures  
Organic peroxides  
Oxidizing agents  
Flammable solids  
Pyrophoric liquids  
Pyrophoric solids  
Self-heating substances and mixtures

SAFETY DATA SHEET  
**MOLYKOTE(R) PTFE-N UV SPRAY**

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
 Date of first issue: 12.01.2015

Substances and mixtures, which in contact with water, emit flammable gases  
 Explosives  
 Gases

**7.3 Specific end use(s)**

Specific use(s) : For further information regarding the use of silicones / organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these type of materials in consumer aerosol applications that has been developed by the silicone industry ([www.SEHSC.com](http://www.SEHSC.com)) or contact the Dow Corning customer service group.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Acetone	67-64-1	TWA	500 ppm 1,210 mg/m <sup>3</sup>	2000/39/EC
Further information	Indicative			
Xylene	1330-20-7	TLV-TWA	100 ppm	IL OEL
		TLV-C	150 mg/m <sup>3</sup>	IL OEL
		TWA	50 ppm 221 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
Ethylbenzene	100-41-4	TWA	100 ppm 442 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	200 ppm 884 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
1,2,4-Trimethylbenzene	95-63-6	TWA	20 ppm 100 mg/m <sup>3</sup>	2000/39/EC
Further information	Indicative			

**Biological occupational exposure limits**

Substance name	CAS-No.	Control parameters	Sampling time	Basis
Xylene	1330-20-7	methyl hippuric acid: 1.5 g/g creatinine (Urine)		IL BEI

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

Substance name	End Use	Exposure routes	Potential health effects	Value
Acetone	Workers	Inhalation	Long-term systemic effects	1210 mg/m <sup>3</sup>

**SAFETY DATA SHEET**  
**MOLYKOTE(R) PTFE-N UV SPRAY**

**DOW CORNING**

Version  
1.6

Revision Date:  
30.04.2016

SDS Number:  
1109795-00007

Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

	Workers	Inhalation	Acute local effects	2420 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	186 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	200 mg/m <sup>3</sup>
	Consumers	Skin contact	Long-term systemic effects	62 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	62 mg/kg bw/day
n-Butyl acetate	Workers	Inhalation	Acute systemic effects	960 mg/m <sup>3</sup>
	Workers	Inhalation	Acute local effects	960 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term systemic effects	480 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	480 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute systemic effects	859.7 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute local effects	859.7 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term systemic effects	102.34 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term local effects	102.34 mg/m <sup>3</sup>
Butan-1-ol	Workers	Inhalation	Long-term local effects	310 mg/m <sup>3</sup>
	Consumers	Ingestion	Long-term systemic effects	3.125 mg/kg bw/day
	Consumers	Inhalation	Long-term local effects	55 mg/m <sup>3</sup>
Xylene	Workers	Inhalation	Acute systemic effects	289 mg/m <sup>3</sup>
	Workers	Inhalation	Acute local effects	289 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	180 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	77 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute systemic effects	174 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute local effects	174 mg/m <sup>3</sup>
	Consumers	Skin contact	Long-term systemic effects	108 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	14.8 mg/m <sup>3</sup>
	Consumers	Ingestion	Long-term systemic effects	1.6 mg/kg bw/day
Ethylbenzene	Workers	Inhalation	Acute local effects	293 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	180 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	77 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term systemic effects	15 mg/m <sup>3</sup>
	Consumers	Ingestion	Long-term systemic effects	1.6 mg/kg bw/day



SAFETY DATA SHEET  
**MOLYKOTE(R) PTFE-N UV SPRAY**

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
 Date of first issue: 12.01.2015

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:**

Substance name	Environmental Compartment	Value
Acetone	Fresh water	10.6 mg/l
	Marine water	1.06 mg/l
	Intermittent use/release	21 mg/l
	Sewage treatment plant	100 mg/l
	Fresh water sediment	30.4 mg/kg
n-Butyl acetate	Marine sediment	3.04 mg/kg
	Soil	29.5 mg/kg
	Fresh water	0.18 mg/l
Butan-1-ol	Marine water	0.018 mg/l
	Intermittent use/release	0.36 mg/l
	Sewage treatment plant	35.6 mg/l
	Fresh water sediment	0.981 mg/kg
	Marine sediment	0.0981 mg/kg
Xylene	Soil	0.0903 mg/kg
	Fresh water	0.082 mg/l
	Marine water	0.0082 mg/l
	Intermittent use/release	2.25 mg/l
	Sewage treatment plant	2476 mg/l
Ethylbenzene	Fresh water sediment	0.178 mg/kg
	Marine sediment	0.0178 mg/kg
	Soil	0.015 mg/kg
	Fresh water	0.327 mg/l
	Marine water	0.327 mg/l
Ethylbenzene	Intermittent use/release	0.327 mg/l
	Sewage treatment plant	6.58 mg/l
	Fresh water sediment	12.46 mg/kg
	Marine sediment	12.46 mg/kg
	Soil	2.31 mg/kg
Ethylbenzene	Fresh water	0.1 mg/l
	Marine water	0.01 mg/l
	Intermittent use/release	0.1 mg/l
	Sewage treatment plant	9.6 mg/l
	Fresh water sediment	13.7 mg/kg
Ethylbenzene	Soil	2.68 mg/kg
	Oral (Secondary Poisoning)	0.02 mg/kg food

**8.2 Exposure controls**

**Engineering measures**

Processing may form hazardous compounds (see section 10).  
 Minimize workplace exposure concentrations.  
 Use only in an area equipped with explosion proof exhaust ventilation.  
 Use with local exhaust ventilation.

**Personal protective equipment**

Eye protection : Wear the following personal protective equipment:  
 Chemical resistant goggles must be worn.  
 If splashes are likely to occur, wear:  
 Face-shield

Hand protection  
 Material : Chemical-resistant gloves

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

- Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Take note that the product is flammable, which may impact the selection of hand protection. Wash hands before breaks and at the end of workday.
- Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.  
Wear the following personal protective equipment:  
Flame retardant antistatic protective clothing.  
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
- Filter type : Self-contained breathing apparatus
- 

### SECTION 9: Physical and chemical properties

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

- Appearance : Aerosol containing a dissolved gas
- Colour : white, translucent
- Odour : solvent-like
- Odour Threshold : No data available
- pH : Not applicable
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : Not applicable
- Flash point : Not applicable
- Evaporation rate : Not applicable
- Flammability (solid, gas) : Extremely flammable aerosol.
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : No data available

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

Relative vapour density : No data available

Relative density : 0.87

Solubility(ies)  
Water solubility : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity  
Viscosity, dynamic : Not applicable

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

### 9.2 Other information

Molecular weight : No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not classified as a reactivity hazard.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Extremely flammable aerosol.  
Vapours may form explosive mixture with air.  
Use at elevated temperatures may form highly hazardous compounds.  
If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.  
Can react with strong oxidizing agents.  
Hazardous decomposition products will be formed at elevated temperatures.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

### 10.6 Hazardous decomposition products

Thermal decomposition : Formaldehyde

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Information on likely routes of exposure : Inhalation  
Skin contact  
Ingestion  
Eye contact

#### Acute toxicity

Not classified based on available information.

#### Components:

##### Acetone:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Acute inhalation toxicity : LC50 (Rat): > 40 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

##### Butan-1-ol:

Acute oral toxicity : LD50 (Rat): 790 mg/kg  
Acute inhalation toxicity : LC0 (Rat): > 17.76 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Acute dermal toxicity : LD50 (Rabbit): 3,430 mg/kg

##### Propane:

Acute inhalation toxicity : LC50 (Rat): 241.8 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

##### Xylene:

Acute oral toxicity : LD50 (Rat): 4,300 mg/kg  
Method: Directive 67/548/EEC, Annex V, B.1.  
Acute inhalation toxicity : LC50 (Rat): 27.5 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Acute toxicity estimate: 11 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Expert judgement  
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI  
Acute dermal toxicity : Acute toxicity estimate: 1,100 mg/kg

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

Method: Expert judgement  
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

### **Naphtha (petroleum), hydrodesulfurized heavy:**

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Remarks: Based on data from similar materials
- Acute inhalation toxicity : LC50 (Rat): > 13.1 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Based on data from similar materials
- Acute dermal toxicity : LD50 (Rat): > 4,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Based on data from similar materials

### **Ethylbenzene:**

- Acute oral toxicity : LD50 (Rat): 3,500 mg/kg
- Acute inhalation toxicity : LC50 (Rat): 17.2 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour
- Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

### **1,2,4-Trimethylbenzene:**

- Acute oral toxicity : LD50 (Rat): 3,400 mg/kg
- Acute inhalation toxicity : LC50 (Rat): > 10.2 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Remarks: Based on data from similar materials
- Acute dermal toxicity : LD50 (Rat): > 3,160 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

### **Butane:**

- Acute inhalation toxicity : LC50 (Rat): 658 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

### **n-Butyl acetate:**

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
- Acute inhalation toxicity : LC50 (Rat): > 21.1 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

SAFETY DATA SHEET  
MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Method: OECD Test Guideline 402

**Skin corrosion/irritation**

Repeated exposure may cause skin dryness or cracking.

**Components:**

**Acetone:**

Assessment: Repeated exposure may cause skin dryness or cracking.

**Butan-1-ol:**

Species: Rabbit  
Result: Skin irritation

**Xylene:**

Species: Rabbit  
Result: Skin irritation

**Naphtha (petroleum), hydrodesulfurized heavy:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation  
Remarks: Based on data from similar materials

Assessment: Repeated exposure may cause skin dryness or cracking.

**1,2,4-Trimethylbenzene:**

Species: Rabbit  
Result: Skin irritation  
Remarks: Based on data from similar materials

**n-Butyl acetate:**

Assessment: Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/eye irritation**

Irritating to eyes.

**Components:**

**Acetone:**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: Irritation to eyes, reversing within 21 days

**Butan-1-ol:**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: Irreversible effects on the eye

SAFETY DATA SHEET  
MOLYKOTE(R) PTFE-N UV SPRAY

DOW CORNING

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

**Xylene:**

Species: Rabbit  
Result: Irritation to eyes, reversing within 7 days

**Naphtha (petroleum), hydrodesulfurized heavy:**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: No eye irritation  
Remarks: Based on data from similar materials

**Ethylbenzene:**

Species: Rabbit  
Result: No eye irritation

**1,2,4-Trimethylbenzene:**

Result: Irritation to eyes, reversing within 21 days

**n-Butyl acetate:**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: No eye irritation

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Components:**

**Acetone:**

Test Type: Maximisation Test  
Exposure routes: Skin contact  
Species: Guinea pig  
Result: negative

**Butan-1-ol:**

Test Type: Maximisation Test  
Exposure routes: Skin contact  
Species: Guinea pig  
Result: negative

**Xylene:**

Test Type: Local lymph node assay (LLNA)  
Exposure routes: Skin contact  
Species: Mouse  
Method: OECD Test Guideline 429  
Result: negative

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

**Naphtha (petroleum), hydrodesulfurized heavy:**

Test Type: Maximisation Test  
Exposure routes: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: negative  
Remarks: Based on data from similar materials

**Ethylbenzene:**

Test Type: Human repeat insult patch test (HRIPT)  
Exposure routes: Skin contact  
Result: negative

**1,2,4-Trimethylbenzene:**

Test Type: Maximisation Test  
Exposure routes: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: negative

**n-Butyl acetate:**

Test Type: Buehler Test  
Exposure routes: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: negative

**Germ cell mutagenicity**

Not classified based on available information.

**Components:**

**Acetone:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Hamster  
Application Route: Intraperitoneal injection  
Result: negative

**Butan-1-ol:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative

**Propane:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative



SAFETY DATA SHEET  
MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo  
cytogenetic assay)  
Species: Rat  
Application Route: inhalation (gas)  
Method: OECD Test Guideline 474  
Result: negative

**Xylene:**

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Result: negative

Genotoxicity in vitro : Test Type: In vitro sister chromatid exchange assay in mam-  
malian cells  
Result: negative

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)  
Species: Mouse  
Application Route: Skin contact  
Result: negative

**Naphtha (petroleum), hydrodesulfurized heavy:**

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Result: negative  
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo  
cytogenetic assay)  
Species: Mouse  
Application Route: Inhalation  
Result: negative  
Remarks: Based on data from similar materials

**Ethylbenzene:**

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Result: negative

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative

Genotoxicity in vivo : Test Type: Unscheduled DNA synthesis (UDS) test with  
mammalian liver cells in vivo  
Species: Mouse  
Application Route: Inhalation  
Method: OECD Test Guideline 486  
Result: negative

**1,2,4-Trimethylbenzene:**

SAFETY DATA SHEET  
MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo  
cytogenetic assay)  
Species: Mouse  
Application Route: Intraperitoneal injection  
Method: OECD Test Guideline 474  
Result: negative

**Butane:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo  
cytogenetic assay)  
Species: Rat  
Application Route: inhalation (gas)  
Method: OECD Test Guideline 474  
Result: negative  
Remarks: Based on data from similar materials

**n-Butyl acetate:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

: Test Type: Chromosome aberration test in vitro  
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo  
cytogenetic assay)  
Species: Mouse  
Application Route: Ingestion  
Method: OECD Test Guideline 474  
Result: negative

**Carcinogenicity**

Not classified based on available information.

**Components:**

**Acetone:**

Species: Mouse  
Application Route: Skin contact  
Exposure time: 1 Years  
Result: negative

**Xylene:**

Species: Rat  
Application Route: Ingestion  
Exposure time: 103 weeks  
Result: negative

SAFETY DATA SHEET  
MOLYKOTE(R) PTFE-N UV SPRAY

DOW CORNING

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

**Naphtha (petroleum), hydrodesulfurized heavy:**

Species: Rat  
Application Route: inhalation (vapour)  
Exposure time: 13 weeks  
Result: negative  
Remarks: Based on data from similar materials

**Ethylbenzene:**

Species: Rat  
Application Route: Inhalation  
Exposure time: 104 weeks  
Result: positive  
Remarks: The mechanism or mode of action may not be relevant in humans.

**Reproductive toxicity**

Not classified based on available information.

**Components:**

**Acetone:**

Effects on fertility : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Mouse  
Result: negative

**Butan-1-ol:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: inhalation (vapour)  
Method: OECD Test Guideline 416  
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative

**Propane:**

Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
Species: Rat  
Application Route: inhalation (gas)  
Method: OECD Test Guideline 422  
Result: negative

Effects on foetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
Species: Rat

SAFETY DATA SHEET  
MOLYKOTE(R) PTFE-N UV SPRAY

DOW CORNING

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

Application Route: inhalation (gas)  
Method: OECD Test Guideline 422  
Result: negative

**Xylene:**

Effects on fertility : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: inhalation (vapour)  
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: inhalation (vapour)  
Result: negative

**Naphtha (petroleum), hydrodesulfurized heavy:**

Effects on fertility : Test Type: Reproduction/Developmental toxicity screening test  
Species: Rat  
Application Route: inhalation (vapour)  
Result: negative  
Remarks: Based on data from similar materials

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: inhalation (vapour)  
Result: negative  
Remarks: Based on data from similar materials

**Ethylbenzene:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: inhalation (vapour)  
Method: OECD Test Guideline 415  
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Inhalation  
Method: OECD Test Guideline 414  
Result: negative

**1,2,4-Trimethylbenzene:**

Effects on fertility : Test Type: Three-generation reproduction toxicity study  
Species: Rat  
Application Route: inhalation (vapour)  
Method: OECD Test Guideline 416  
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: inhalation (vapour)  
Method: OECD Test Guideline 414

SAFETY DATA SHEET  
MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

Result: negative

**Butane:**

Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
Species: Rat  
Application Route: inhalation (gas)  
Method: OECD Test Guideline 422  
Result: negative

Effects on foetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
Application Route: inhalation (gas)  
Method: OECD Test Guideline 422  
Result: negative

**n-Butyl acetate:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: inhalation (vapour)  
Method: OECD Test Guideline 416  
Result: negative

**STOT - single exposure**

Vapours may cause drowsiness and dizziness.

**Components:**

**Acetone:**

Assessment: May cause drowsiness or dizziness.

**Butan-1-ol:**

Assessment: May cause respiratory irritation.

Assessment: May cause drowsiness or dizziness.

**Propane:**

Assessment: May cause drowsiness or dizziness.

**Xylene:**

Assessment: May cause respiratory irritation.

**Naphtha (petroleum), hydrodesulfurized heavy:**

Assessment: May cause drowsiness or dizziness.

**1,2,4-Trimethylbenzene:**

Assessment: May cause respiratory irritation.

**Butane:**

Assessment: May cause drowsiness or dizziness.

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version	Revision Date:	SDS Number:	Date of last issue: 19.11.2015
1.6	30.04.2016	1109795-00007	Date of first issue: 12.01.2015

---

### **n-Butyl acetate:**

Assessment: May cause drowsiness or dizziness.

### **STOT - repeated exposure**

Not classified based on available information.

### **Components:**

#### **Xylene:**

Exposure routes: inhalation (vapour)

Target Organs: Central nervous system, Liver, Kidney

Assessment: Shown to produce significant health effects in animals at concentrations of >0.2 to 1 mg/l/6h/d.

#### **Naphtha (petroleum), hydrodesulfurized heavy:**

Target Organs: Central nervous system

Assessment: Causes damage to organs through prolonged or repeated exposure.

#### **Ethylbenzene:**

Exposure routes: inhalation (vapour)

Target Organs: Auditory system

Assessment: Shown to produce significant health effects in animals at concentrations of >0.2 to 1 mg/l/6h/d.

### **Repeated dose toxicity**

### **Components:**

#### **Acetone:**

Species: Rat

LOAEL: 1,700 mg/kg

Application Route: Ingestion

Exposure time: 90 Days

#### **Butan-1-ol:**

Species: Rat

NOAEL: 125 mg/kg

Application Route: Ingestion

Exposure time: 13 Weeks

#### **Propane:**

Species: Rat

NOAEL: 9000 ppm

Application Route: inhalation (gas)

Exposure time: 6 Weeks

Method: OECD Test Guideline 422

#### **Xylene:**

Species: Rat

NOAEL: 4.35 mg/l

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version	Revision Date:	SDS Number:	Date of last issue: 19.11.2015
1.6	30.04.2016	1109795-00007	Date of first issue: 12.01.2015

---

Application Route: inhalation (vapour)  
Exposure time: 90 Days

### **Naphtha (petroleum), hydrodesulfurized heavy:**

Species: Rat  
NOAEL: 2.34 mg/l  
LOAEL: 4.67 mg/l  
Application Route: inhalation (vapour)  
Exposure time: 6 Months  
Method: OECD Test Guideline 413  
Remarks: Based on data from similar materials

### **Ethylbenzene:**

Species: Rat, female  
LOAEL: 75 ppm  
Application Route: inhalation (vapour)  
Exposure time: 104 Weeks

### **1,2,4-Trimethylbenzene:**

Species: Rat  
NOAEL: 600 mg/kg  
Application Route: Ingestion  
Exposure time: 90 Days

Species: Rat  
NOAEL: 1800 mg/m<sup>3</sup>  
Application Route: inhalation (vapour)  
Exposure time: 12 Months

### **Butane:**

Species: Rat  
NOAEL: 9000 ppm  
Application Route: inhalation (gas)  
Exposure time: 6 Weeks  
Method: OECD Test Guideline 422

### **n-Butyl acetate:**

Species: Rat  
NOAEL: 2.4 mg/l  
Application Route: inhalation (vapour)  
Exposure time: 90 Days

### **Aspiration toxicity**

Not classified based on available information.

### **Components:**

#### **Xylene:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

**Naphtha (petroleum), hydrodesulfurized heavy:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

**Ethylbenzene:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

**1,2,4-Trimethylbenzene:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

**Experience with human exposure**

**Components:**

**Naphtha (petroleum), hydrodesulfurized heavy:**

Inhalation : Target Organs: Central nervous system  
Symptoms: Dizziness, Headache, Neurological disorders

---

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Components:**

**Acetone:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 6,210 - 8,120 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia pulex (Water flea)): 8,800 mg/l  
Exposure time: 48 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,106 - 2,212 mg/l  
Exposure time: 28 d  
Species: Daphnia magna (Water flea)

**Butan-1-ol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 1,376 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,328 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 225 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 201



# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

Toxicity to bacteria : EC50 (Pseudomonas putida): 4,390 mg/l  
Exposure time: 17 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 4.1 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

### **Xylene:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.6 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : IC50 (Daphnia magna (Water flea)): 1 mg/l  
Exposure time: 24 h  
Method: OECD Test Guideline 202  
Remarks: Based on data from similar materials

Toxicity to algae : EC10 (Pseudokirchneriella subcapitata (green algae)): 1.9 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

ErC50 (Pseudokirchneriella subcapitata (green algae)): 4.36 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

Toxicity to bacteria : EC50 : > 157 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209  
Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity) : NOEC: > 1.3 mg/l  
Exposure time: 56 d  
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10: 1.91 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211  
Remarks: Based on data from similar materials

### **Naphtha (petroleum), hydrodesulfurized heavy:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 10 - 30 mg/l  
Exposure time: 96 h  
Test substance: Water Accommodated Fraction  
Method: OECD Test Guideline 203  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 10 - 22 mg/l  
Exposure time: 48 h

SAFETY DATA SHEET  
MOLYKOTE(R) PTFE-N UV SPRAY

DOW CORNING

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

Test substance: Water Accommodated Fraction  
Method: OECD Test Guideline 202  
Remarks: Based on data from similar materials

Toxicity to algae : EL50 (Pseudokirchneriella subcapitata (green algae)): 4.6 - 10 mg/l  
Exposure time: 72 h  
Test substance: Water Accommodated Fraction  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

NOELR (Pseudokirchneriella subcapitata (green algae)): 0.22 mg/l  
Exposure time: 72 h  
Test substance: Water Accommodated Fraction  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOELR: 0.097 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Remarks: Based on data from similar materials

**Ethylbenzene:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4.2 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.8 - 2.4 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 5.4 mg/l  
Exposure time: 72 h

Toxicity to bacteria : EC50 (Nitrosomonas sp.): 96 mg/l  
Exposure time: 24 h  
Method: OECD Test Guideline 209

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.96 mg/l  
Exposure time: 7 d  
Species: Ceriodaphnia dubia (water flea)

**1,2,4-Trimethylbenzene:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 7.72 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3.6 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 2.356 mg/l  
Exposure time: 96 h

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

### Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.  
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

#### n-Butyl acetate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 18 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 44 mg/l  
Exposure time: 48 h

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): 674.7 mg/l  
Exposure time: 72 h

NOEC (Desmodesmus subspicatus (green algae)): 200 mg/l  
Exposure time: 72 h

Toxicity to bacteria : IC50 (Protozoa): 356 mg/l  
Exposure time: 40 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 23 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

## 12.2 Persistence and degradability

### Components:

#### Acetone:

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 91 %  
Exposure time: 28 d

#### Butan-1-ol:

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 92 %  
Exposure time: 20 d

#### Propane:

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 100 %  
Exposure time: 385.5 h  
Remarks: Based on data from similar materials

#### Xylene:

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 87.8 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
Remarks: Based on data from similar materials

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

**Naphtha (petroleum), hydrodesulfurized heavy:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 74.7 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
Remarks: Based on data from similar materials

**Ethylbenzene:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 70 - 80 %  
Exposure time: 28 d

**1,2,4-Trimethylbenzene:**

Biodegradability : Result: rapidly degradable  
Biodegradation: 100 %  
Exposure time: 1 d

**Butane:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 100 %  
Exposure time: 385.5 h  
Remarks: Based on data from similar materials

**n-Butyl acetate:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 96 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

**12.3 Bioaccumulative potential**

**Components:**

**Acetone:**

Partition coefficient: n-octanol/water : log Pow: -0.24

**Butan-1-ol:**

Partition coefficient: n-octanol/water : log Pow: 1

**Propane:**

Partition coefficient: n-octanol/water : log Pow: 2.31

**Xylene:**

Bioaccumulation : Species: Oncorhynchus mykiss (rainbow trout)  
Bioconcentration factor (BCF): 5.4 - 25.9

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

Partition coefficient: n-octanol/water : log Pow: 3.12 - 3.2

### **Naphtha (petroleum), hydrodesulfurized heavy:**

Partition coefficient: n-octanol/water : log Pow: > 4  
Remarks: Based on data from similar materials

### **Ethylbenzene:**

Bioaccumulation : Species: Fish  
Bioconcentration factor (BCF): < 100  
Remarks: Based on data from similar materials

Partition coefficient: n-octanol/water : log Pow: 3.6

### **1,2,4-Trimethylbenzene:**

Bioaccumulation : Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): 33 - 275

### **Butane:**

Partition coefficient: n-octanol/water : log Pow: 2.31

### **n-Butyl acetate:**

Partition coefficient: n-octanol/water : log Pow: 2.3

## **12.4 Mobility in soil**

No data available

## **12.5 Results of PBT and vPvB assessment**

Not relevant

## **12.6 Other adverse effects**

No data available

---

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Product : Dispose of in accordance with local regulations.  
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Empty containers retain residue and can be dangerous.  
Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death.

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

If not otherwise specified: Dispose of as unused product.  
Please ensure aerosol cans are sprayed completely empty  
(including propellant)

---

### SECTION 14: Transport information

#### 14.1 UN number

**ADN** : UN 1950  
**ADR** : UN 1950  
**RID** : UN 1950  
**IMDG** : UN 1950  
**IATA** : UN 1950

#### 14.2 UN proper shipping name

**ADN** : AEROSOLS  
**ADR** : AEROSOLS  
**RID** : AEROSOLS  
**IMDG** : AEROSOLS  
**IATA** : Aerosols, flammable

#### 14.3 Transport hazard class(es)

**ADN** : 2.1  
**ADR** : 2.1  
**RID** : 2.1  
**IMDG** : 2.1  
**IATA** : 2.1

#### 14.4 Packing group

**ADN**  
Packing group : Not assigned by regulation  
Classification Code : 5F  
Labels : 2.1

**ADR**  
Packing group : Not assigned by regulation  
Classification Code : 5F  
Labels : 2.1  
Tunnel restriction code : (D)

**RID**  
Packing group : Not assigned by regulation  
Classification Code : 5F  
Hazard Identification Number : 23  
Labels : 2.1

**IMDG**  
Packing group : Not assigned by regulation  
Labels : 2.1

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

---

EmS Code : F-D, S-U

### **IATA (Cargo)**

Packing instruction (cargo aircraft) : 203  
Packing instruction (LQ) : Y203  
Packing group : Not assigned by regulation  
Labels : Flammable Gas

### **IATA (Passenger)**

Packing instruction (passenger aircraft) : 203  
Packing instruction (LQ) : Y203  
Packing group : Not assigned by regulation  
Labels : Flammable Gas

## **14.5 Environmental hazards**

### **ADN**

Environmentally hazardous : no

### **ADR**

Environmentally hazardous : no

### **RID**

Environmentally hazardous : no

### **IMDG**

Marine pollutant : no

## **14.6 Special precautions for user**

Not applicable

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

Remarks : Not applicable for product as supplied.

---

## **SECTION 15: Regulatory information**

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

**The components of this product are reported in the following inventories:**

REACH : All ingredients (pre-)registered or exempt.  
AICS : Consult your local Dow Corning office.  
IECSC : Consult your local Dow Corning office.  
ENCs/ISHL : Some components are not listed or not identified on ENCS/ISHL.  
KECI : One or more ingredients are not listed or exempt.  
PICCS : Consult your local Dow Corning office.  
TCSI : All ingredients listed or exempt.

# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version 1.6      Revision Date: 30.04.2016      SDS Number: 1109795-00007      Date of last issue: 19.11.2015  
Date of first issue: 12.01.2015

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

#### Full text of H-Statements

H220	: Extremely flammable gas.
H225	: Highly flammable liquid and vapour.
H226	: Flammable liquid and vapour.
H280	: Contains gas under pressure; may explode if heated.
H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H312	: Harmful in contact with skin.
H315	: Causes skin irritation.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H332	: Harmful if inhaled.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H372	: Causes damage to organs through prolonged or repeated exposure.
H373	: May cause damage to organs through prolonged or repeated exposure.
H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Chronic	: Chronic aquatic toxicity
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Gas	: Flammable gases
Flam. Liq.	: Flammable liquids
Press. Gas	: Gases under pressure
Skin Irrit.	: Skin irritation
STOT RE	: Specific target organ toxicity - repeated exposure
STOT SE	: Specific target organ toxicity - single exposure
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
IL BEI	: Israel. Safety at Work Regulations - Annex III Biological Exposure Indices
IL OEL	: Israel. Safety at Work Regulations (Environmental monitoring and biological monitoring of workers)
2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short term exposure limit
IL OEL / TLV-TWA	: Threshold Limit Value - Time Weighted (TLV-TWA)
IL OEL / TLV-C	: Threshold Limit Value - Ceiling (TLV-C)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx -



# SAFETY DATA SHEET

## MOLYKOTE(R) PTFE-N UV SPRAY

**DOW CORNING**

Version	Revision Date:	SDS Number:	Date of last issue: 19.11.2015
1.6	30.04.2016	1109795-00007	Date of first issue: 12.01.2015

Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

IL / EN