

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

1.1. Product identifier

Trade name	MÄDLER PTFE-Spray
Unique formula identifier (UFI)	6S5G-853E-U00N-9RW3
Article number	14070102 (OPN-Art.-No. 61450)
Tariff No.	3208 20 10

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

Use of substance / mixture: PC24: Lubricants, greases, release products.

1.3. Details of the supplier of the safety data sheet

Manufacturer: OPN-CHEMIE GmbH In der Au 14 D-57290 Neunkirchen/Germany Tel.: +49 (0) 2735 / 7725-0 Fax: +49 (0) 2735 / 7725-90 Further information obtainable from: Safety data sheets Mrs. Barbara Angelika Gros-Petri Tel.: +49 (0) 2735 / 7725-20 E-Mail: baerbel.petri@opn-chemie.de	Supplier: MÄDLER GmbH Tränkestraße 6-8 D-70597 Stuttgart/Germany Tel.: +49 (0) 711 720 95 - 0 Fax: +49 (0) 711 720 95 - 33 Responsible at MÄDLER: MÄDLER Product management, Mr. Knut Schmidt Tel.: +49 (0) 211 97 47 1-16 E-Mail: duesseldorf@maedler.de
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1.4. Emergency telephone number

Emergency information service Poison Information Center Freiburg +49(0)761/19240

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: STOT SE 3: H336; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Flam. Aerosol 1
: H222; -: H229; -: EUH066

Most important adverse effects: Extremely flammable aerosol. Pressurised container: May burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

Label elements:

Hazard statements: H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H412: Harmful to aquatic life with long lasting effects.
EUH066: Repeated exposure may cause skin dryness or cracking.

Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark



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Signal words: Danger

Precautionary statements: 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.

P261: Avoid breathing spray.

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

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTRE or doctor if you feel unwell.

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

P501: Dispose of contents / container in accordance with national regulations of the disposal.

Hazardous ingredients for labelling: Acetone

2.3. Other hazards

Other hazards: Buildup of explosive mixtures possible without sufficient ventilation.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ACETONE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-662-2	67-64-1	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -EUH066	25-50%

PROPANE

200-827-9	74-98-6	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	12-25%
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BUTANE

203-448-7	106-97-8	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	12-25%
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N-BUTYL ACETATE

204-658-1	123-86-4	Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	5-12%
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XYLENE

215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	5-12%
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LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

265-199-0	64742-95-6	-	Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	3-5%
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Contains: Acetone

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Remove victim from exposure to fresh air. Consult a doctor.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No further relevant informations available.

Delayed / immediate effects: No relevant safety data available.

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

Immediate / special treatment: No relevant safety data available.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use water spray to cool containers. Carbon dioxide. Alcohol resistant foam.

Dry chemical powder. Water fog.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ACETONE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1210 mg/m ³	3620 mg/m ³	-	-

XYLENE

UK	220 mg/m ³	441 mg/m ³	-	-
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DNEL/PNEC Values

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Hazardous ingredients:

XYLENE

Type	Value	Population	Effect
DNEL	Oral (repeated dose) 16 mg/kg bgw/day	Consumers	-
DNEL	Dermal (repeated dose) 180 mg/kg bw/day	Workers	-
DNEL	Dermal (repeated dose) 108 mg/kg bw/day	Consumers	-
DNEL	Inhalativ (kurzzeit - akut) 289 mg/m³ Air	Workers	-
DNEL	Inhalativ (kurzzeit - akut) 174 mg/m³ Air	Consumers	-
DNEL	Inhalation (repeated dose) 77 mg/m³ Air	Workers	-
DNEL	Inhalation (repeated dose) 14,8 mg/m³ Air	Consumers	-
PNEC	Soil (agricultural) 2,31 mg/kg	-	-
PNEC	Marine sediments 12,46 mg/kg	-	-
PNEC	Fresh water sediments 12,46 mg/kg	-	-

8.2. Exposure controls

Engineering measures: The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: The glove material has to be impermeable and resistant to the product/the substance/the preparation. Selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Guideline DIN EN 374. Nitrile gloves. Recommended thickness > 0,5 mm. Breakthrough time of the glove material > 8 hours.

Eye protection: Tightly fitting safety goggles.

Skin protection: Impermeable protective clothing.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Odour: Characteristic odour

Evaporation rate: Fast

Oxidising: No data available.

Solubility in water: Not miscible

Also soluble in: Most organic solvents.

Viscosity: No data available.

Boiling point/range°C: No data available.

Melting point/range°C: No data available.

Flammability limits %: lower: 1,5

upper: 9,5

Flash point°C: -21

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: >490

Vapour pressure: 3-4 bar

Relative density: 0,79 g/ml

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VOC g/l: max. 840

pH: No data available.

9.2. Other information

Other information: 2004/42/EG/IIB(e) (VOC max840 g/l)<840

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ACETONE

IVN	RAT	LD50	5500	mg/kg
ORL	MUS	LD50	3000	mg/kg
ORL	RAT	LD50	5800	mg/kg

N-BUTYL ACETATE

ORL	RAT	LD50	10768	mg/kg
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XYLENE

ORL	MUS	LD50	2119	mg/kg
ORL	RAT	LD50	4300	mg/kg
SCU	RAT	LD50	1700	mg/kg

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LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

ORL	RAT	LD50	8400	mg/kg
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Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No further relevant informations available.

Delayed / immediate effects: No relevant safety data available.

Other information: No further relevant informations available.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ACETONE

BLUEGILL (Lepomis macrochirus)	LC50	8300	mg/l
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12.2. Persistence and degradability

Persistence and degradability: No further informations available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No further informations available.

12.4. Mobility in soil

Mobility: No further Informations available

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Harmful to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: According local law.

Recovery operations: No further relevant informations available.

Waste code number: 160504

Disposal of packaging: Do not discard or scrap empty spray. Dispose according to the local regulations and laws.

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NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1950

14.2. UN proper shipping name

Shipping name: AEROSOLS

14.3. Transport hazard class(es)

Transport class: 2 (5F)

14.4. Packing group

Packing group: n. a./ inapplicable

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: D

Transport category: 2.1

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H229: Pressurised container: May burst if heated.

H304: May be fatal if swallowed and enters airways.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

[cont...]

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H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.