

**PTFE-Spray****! SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Name of product PTFE-Spray
Code-Nr. 113000

1.2. Relevant identified uses of the substance or mixture and uses advised against**Recommended intended purpose(s)**

Technical Aerosols

1.3. Details of the supplier of the safety data sheet**Distributor**

WEICON GmbH & Co. KG
Königsberger Str. 255,, DE-48157 Münster
Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322 - 244
E-Mail : msds@weicon.de
Internet : www.weicon.de

Advice

Produktsicherheit / Product-Safety-Department
Phone ++49(0)251 / 9322 - 0
E-mail (competent person):
msds@weicon.de

1.4. Emergency telephone number

EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel:
++44 1865 407333 (English)
TRANSPORT EMERGENCY CONTACT - UK, UAE, South
Africa (24h): Tel: ++44 1865 407333 (English)

Manufacturer

WEICON GmbH & Co. KG
Königsberger Str. 255, DE-48157 Münster

1.4. Emergency telephone number

GIFTNOTRUF/TRANSPORTNOTRUF - Deutschland (24h):
Tel: ++49 69 222 25285 (Deutsch, Englisch)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

| Hazard classes and Hazard categories | Hazard Statements | Classification procedure |
|--------------------------------------|-------------------|--------------------------|
|--------------------------------------|-------------------|--------------------------|

| | | |
|-------------------|------------|--|
| Aerosol 1 | H222, H229 | |
| Skin Irrit. 2 | H315 | |
| STOT SE 3 | H336 | |
| Aquatic Chronic 2 | H411 | |

Hazard Statements

| | |
|------|---|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H315 | Causes skin irritation. |
| H336 | May cause drowsiness or dizziness. |

H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements

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



GHS02



GHS07



GHS09

Signal word

Danger

Hazard Statements

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

Precautionary Statements

P102 Keep out of reach of children.
P210 Keep away from heat, 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 dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container to hazardous or special waste collection point.

Hazardous ingredients for labeling

Naphtha (petroleum), hydrotreated light

2.3. Other hazards

Product has an anesthetic effect.

Information pertaining to special dangers for human and environment

In extensive use, formation of flammable / explosive vapour-air mixture is possible.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**PTFE-Spray****SECTION 3: Composition/ information on ingredients****3.1. Substances**

not applicable

3.2. Mixtures**Description**

Compound of propellants and a mixture of PTFE, mineral oils, synthetic oils, test benzene and adhesive additives

Hazardous ingredients

| CAS No | EC No | Name | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] |
|------------|-----------|---|------------|--|
| 67-63-0 | 200-661-7 | propan-2-ol | 2,5 - 5 | Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336 |
| 74-98-6 | 200-827-9 | propane | 25 - 50 | Flam. Gas 1, H220 / Press. Gas |
| 75-28-5 | 200-857-2 | isobutane | 12,5 - 20 | Flam. Gas 1, H220 / Press. Gas |
| 106-97-8 | 203-448-7 | butane | 12,5 - 20 | Flam. Gas 1, H220 / Press. Gas |
| 64742-49-0 | 921-024-6 | Naphtha (petroleum), hydrotreated light | 25 - 50 | Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Aquatic Chronic 2, H411 / Skin Irrit. 2, H315 / STOT SE 3, H336 |

REACH

| CAS No | Name | REACH registration number |
|------------|---|---------------------------|
| 67-63-0 | propan-2-ol | 01-2119457558-25 |
| 64742-49-0 | Naphtha (petroleum), hydrotreated light | 01-2119475514-35 |

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off with water.

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

If swallowed by mistake drink plenty of water and seek medical treatment.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet



Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Danger of bursting

In case of fire formation of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

6.2. Environmental precautions

Inform pollution control authorities if product gets into the sewerage systems or open waters.

Do not discharge into the drains or bodies of water..

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material.

After taking up the material dispose according to regulation.

6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

At work do not eat, drink, smoke or take drugs.

Wash hands before breaks and after work.

Advice on protection against fire and explosion

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

Pressurized container.

Do not pierce or burn even after use.

Vapours can form an explosive mixture with air.

Take precautionary measures against static discharges.

Avoid effect of heat.

**PTFE-Spray****7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep in closed original container.

Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

Advice on storage compatibility

Do not store together with food.

Further information on storage conditions

Protect from heat and direct solar radiation.

Keep container in a well-ventilated place

Storage temperature may not exceed 50°C (=122°F).

Store container at cool and aired place.

7.3. Specific end use(s)**Recommendation(s) for intended use**

See section 1.2

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Ingredients with occupational exposure limits to be monitored**

| CAS No | Name | Code | [mg/m3] | [ppm] | Remark |
|----------|-------------|------------|---------|-------|-----------|
| 106-97-8 | Butane | 8 hours | 1450 | 600 | EH40/2005 |
| | | Short-term | 1810 | 750 | |
| 67-63-0 | propan-2-ol | 8 hours | 999 | 400 | EH40/2005 |
| | | Short-term | 1250 | 500 | |

DNEL-/PNEC-values**DNEL worker**

| CAS No | Substance name | Value | Code | Remark |
|------------|---|------------------|--------------------------------------|--------|
| 64742-49-0 | Naphtha (petroleum), hydrotreated light | 2035 mg/m3 | DNEL long-term inhalative (systemic) | |
| | | 773 mg/kg bw/day | DNEL long-term dermal (systemic) | |
| 67-63-0 | propan-2-ol | 500 mg/m3 | DNEL long-term inhalative (systemic) | |
| | | 888 mg/kg bw/day | DNEL long-term dermal (systemic) | |

DNEL Consumer

| CAS No | Substance name | Value | Code | Remark |
|------------|---|------------------|--------------------------------------|--------|
| 64742-49-0 | Naphtha (petroleum), hydrotreated light | 608 mg/m3 | DNEL long-term inhalative (systemic) | |
| | | 699 mg/kg bw/day | DNEL long-term dermal (systemic) | |
| | | 699 mg/kg bw/day | DNEL long-term oral (repeated) | |

Additional advice

The statutory local and national regulations have to be observed.

**PTFE-Spray****8.2. Exposure controls****Respiratory protection**

In case of insufficient ventilation or long-term effect use breathing apparatus.

Hand protection

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile rubber; 0,4mm; 480min;60min.

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

Eye protection

tightly fitting goggles

Other protection measures

protective clothing

Appropriate engineering controls

Sufficient ventilation and exhaustion.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Appearance**

aerosol

Colour

whitish

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|----------------------------------|-------------------------|-------------|----|--------|-----------------------------------|
| pH value | not determined | | | | |
| boiling point | not applicable | | | | |
| melting point | not determined | | | | |
| Flash point | not applicable | | | | Aerosol |
| Vapourisation rate | not determined | | | | |
| Flammable (solid) | not determined | | | | |
| Flammability (gas) | not determined | | | | |
| Ignition temperature | 230 °C | | | | |
| Self ignition temperature | | | | | The product is not self-igniting. |
| Lower explosion limit | 0,9 Vol-% | | | | |
| Upper explosion limit | 10,9 Vol-% | | | | |
| Vapour pressure | 3500 hPa | 20 °C | | | |
| Relative density | 0,601 g/cm ³ | 20 °C | | | |

**PTFE-Spray**

| | Value | Temperature | at | Method | Remark |
|---|----------------|-------------|----|--------|-------------------------|
| Vapour density | not determined | | | | |
| Solubility in water | | | | | No or low immiscibility |
| Solubility/other | not determined | | | | |
| Partition coefficient n-octanol/water (log P OW) | not determined | | | | |
| Decomposition temperature | not determined | | | | |
| Viscosity | not determined | | | | |
| Solvent content | 98,3 % | | | | |
| Solids content | 1,1 % | | | | |

Oxidising properties

No information available.

Explosive properties

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products**Thermal decomposition**

Remark No decomposition if used as directed.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity/Irritation/Sensitization**



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PTFE-Spray

| | Value/Validation | Species | Method | Remark |
|------------------------------|----------------------------|---------|--------|--------------|
| LD50 acute oral | 5045 mg/kg | rat | | Propane-2-ol |
| LD50 acute dermal | > 2920 mg/kg | rat | | Naphtha |
| LC50 acute inhalation | 30 mg/m ³ (4 h) | rat | | Propane-2-ol |
| Skin irritation | irritant | | | |
| Eye irritation | non-irritant | | | |
| Skin sensitization | non-sensitizing | | | |

Experiences made from practice

Irritates mucous membranes.

Additional information

The product is to be handled with the caution usual with chemicals.

Other hazardous properties may not be excluded.

SECTION 12: Ecological information**12.1. Toxicity****Ecotoxicological effects**

| | Value | Species | Method | Validation |
|----------------|-----------------------|---------------|--------|------------|
| Fish | LC50 4924 mg/l (48 h) | | | Naphtha |
| Daphnia | EC50 > 10 mg/l (24 h) | Daphnia magna | | Naphtha |

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects**General regulation**

Toxic to aquatic life, fishes and plankton.

Even in the event of low quantities penetration into the underground drinking water is contaminated.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste code No.**

15 01 04

20 01 13*

Name of waste

metallic packaging

Solvents

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

**PTFE-Spray****Recommendations for the product**

Remove in accordance with local official regulations.

Recommendations for packaging

Dispose of according to the local waste regulations.

General information

For proper waste disposal a complete emptying of the tin is necessary.

SECTION 14: Transport information

| | ADR/RID | IMDG | IATA-DGR |
|----------------------------------|----------|----------|---------------------|
| 14.1. UN number | 1950 | 1950 | 1950 |
| 14.2. UN proper shipping name | AEROSOLS | AEROSOLS | Aerosols, flammable |
| 14.3. Transport hazard class(es) | 2.1 | 2.1 | 2.1 |
| 14.4. Packing group | - | - | - |
| 14.5. Environmental hazards | No | No | No |

14.6. Special precautions for user

Caution: Gases

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

Land and inland navigation transport ADR/RID

Hazard label(s) 2.1

tunnel restriction code D

Classification code 5F

transport in "limited quantities" according to 3.4 ADR is possible

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****VOC standard**

VOC content 98,27 %

VOC value 590,6 g/L

15.2. Chemical Safety Assessment

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

SECTION 16: Other information**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

For industrial use only.

Further information

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.



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PTFE-Spray

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 8.5

| | |
|------|--|
| H220 | Extremely flammable gas. |
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |