

**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  
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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
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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 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/eye 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.  
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
	927-510-4	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
74-98-6	propane	01-2119486944-21
75-28-5	isobutane	01-2119485395-27
106-97-8	butane	01-2119474691-32
	Naphtha (petroleum), hydrotreated light	01-2119475515-33

**! 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 soap and 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****! Physician's information / possible symptoms**

Respiratory complaints

skin irritation

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

No information available.



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## **! 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.

Do not inhale explosion and/or combustion gases.

#### **! Additional information**

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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## **! 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.

Use breathing apparatus if exposed to vapours/dust/aerosol.

### **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 (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

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

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## **! 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.

Take the usual precautions when handling with chemicals.

**PTFE-Spray****! General protective measures**

Avoid contact with eyes and skin  
Do not inhale aerosols  
Ensure sufficient ventilation.

**! Hygiene measures**

At work do not eat, drink, smoke or take drugs.  
Remove soiled or soaked clothing immediately.  
Work in rooms with good ventilation.  
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.

**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 animal feedstuffs.  
Do not store together with food.

**! Further information on storage conditions**

Protect from heat and direct solar radiation.  
Storage temperature may not exceed 50°C (=122°F).  
Store container at cool and aired place.  
Recommended storage temperature: room temperature.

**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
	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	888 mg/kg bw/day	DNEL long-term dermal (systemic)	



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## PTFE-Spray

## DNEL-/PNEC-values (continued)

CAS No	Substance name	Value	Code	Remark
		500 mg/m3	DNEL long-term inhalative (systemic)	

## DNEL Consumer

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

## Additional advice

The statutory local and national regulations have to be observed.

## 8.2. Exposure controls

## ! Respiratory protection

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

Short-term: filter apparatus, filter AX, otherwise environment-independent 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

solvent-like

## 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				



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**PTFE-Spray**

	Value	Temperature	at	Method	Remark
<b>Flash point</b>	not applicable				Aerosol
<b>Vapourisation rate</b>	not applicable				
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not applicable				
<b>Ignition temperature</b>	> 230 °C				
<b>Self ignition temperature</b>					The product is not self-igniting.
<b>Lower explosion limit</b>	0,9 Vol-%				
<b>Upper explosion limit</b>	10,9 Vol-%				
<b>Vapour pressure</b>	3500 hPa	20 °C			
<b>Relative density</b>	0,601 g/cm3	20 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					No or low immiscibility
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	not determined				
<b>Viscosity kinematic</b>	not determined				
<b>Solvent content</b>	98,3 %				
<b>Solids content</b>	1,1 %				
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .				
<b>9.2. Other information</b>	No information available.				

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

No information available.

**PTFE-Spray****10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

No information available.

**10.4. Conditions to avoid**

Keep away from heat.

**10.5. Incompatible materials****! Substances to avoid**

Risk of bursting at temperatures above 50°C due to a pressure increase inside the container. Heating causes the pressure to increase. Risk of bursting through overheating.

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

**Thermal decomposition**

Remark No decomposition if used as directed.

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

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	5045 mg/kg	rat		CAS: 67-63-0
<b>LD50 acute dermal</b>	> 2920 mg/kg	rat		EG: 927-510-4
<b>LC50 acute inhalation</b>	30 mg/m3 (4 h)	rat		CAS: 67-63-0
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	low irritant - no labeling duty			
<b>Skin sensitization</b>	non-sensitizing			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Mutagenicity</b>				No experimental information on genotoxicity in vitro available.
<b>Reproduction-Toxicity</b>				No indications of toxic effects were observed in reproduction studies in animals.
<b>Carcinogenicity</b>				No indications of carcinogenic effects are available from long-term trials.



**! Specific target organ toxicity (single exposure)**

May cause drowsiness or dizziness.

**! Experiences made from practice**

Often and long skin contact may cause degreasing and desiccation of the skin which may cause skin irritation.

Frequent persistent contact with the skin may cause skin irritation.

Irritates mucous membranes.

Inhalation causes narcotic effect/intoxication.

**! Additional information**

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

Other hazardous properties may not be excluded.

The product has not been tested. The information is derived from the properties of the individual components.

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

	Value	Species	Method	Validation
<b>Fish</b>	LC50 2,5 mg/l (96 h)	Pimephales promelas		EG: 927-510-4
<b>Daphnia</b>	EC50 > 10 mg/l (24 h)	Daphnia magna		EG: 927-510-4

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

**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.

Toxic to aquatic life with long lasting effects.

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, drains or sewage treatment plants.

The ecotoxic effect of the product has not been tested. The information on this is given on the basis of details in the literature.

**! 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.

**! Recommendations for the product**

Remove in accordance with local official regulations.

Dispose of as hazardous waste.

**PTFE-Spray****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.

Assignment to a waste code number / waste identification according to the EWC is to be carried out on a sector or process-specific basis.

**! SECTION 14: Transport information**

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

**14.6. Special precautions for user**

No information available.

**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: 8.7

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.