



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product	Teflon-Spray (GB) Code-Nr. 11300
Manufacturer/distributor	WEICON GmbH & Co. KG Königsberger Straße 255, DE-48157 Münster Postbox 84 60, DE-48045 Münster Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322-244 E-Mail : info@weicon.de Internet : www.weicon.de
Advice	Abteilung Angebote, Verkauf, Export Phone ++49(0)251 / 9322 - 0
Emergency advice	Informationszentrale gegen Vergiftungen - Bonn Phone ++49(0)228-19 240
Recommended intended purpose(s)	Technical Aerosols

2. HAZARDS IDENTIFICATION

Classification

F+; R12
Xi; R38
R52/53

R-phrases

12 Extremely flammable.
38 Irritating to skin.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

Special hazards information for humans and environment

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

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

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
67-63-0	200-661-7	propan-2-ol	1 - 10	F R11; Xi R36; R67
64742-49-0	265-151-9	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	15 - 25	F R11; Xn R65; Xi R38; N R51/53; R67
5593-70-4	227-006-8	titanium tetrabutanolate	1 - 10	Xi R38-41; R10
61641-74-5		propane/butane-mixture	30 - 70	F+, R12



4. 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.

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

Do not induce vomiting.

Refer to medical treatment.

Physician's information / possible symptoms

The following symptoms may occur:

Unconsciousness

Anaesthetic state

Headache

Confusion

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry powder

Carbon dioxide

Extinguishing media which must not be used for safety reasons

water

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Environmental precautions

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

Methods for cleaning up

Take up with absorbent material.

After taking up the material dispose according to regulation.



7. HANDLING AND STORAGE

Advice on safe handling

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

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.

The product is combustible.

Vapours can form an explosive mixture with air.

Avoid effect of heat.

Requirements for storage rooms and vessels

Keep in closed original container.

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

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.

Keep in a cool place.

Recommended storage temperature: room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m ³]	[ml/m ³]	Spitzenb.	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		

Respiratory protection

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

Breathing apparatus in the event of aerosol or mist formation.

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; 0,1mm; 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

safety goggles

Skin protection

protective clothing

General protective measures

Avoid contact with eyes and skin

Do not inhale aerosols

Hygiene measures

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



9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Colour	Odour
aerosol	whitish	like mineral oil

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
Flash point	-60 °C				
Ignition temperature	510 °C				
Lower explosion limit	1,4 Vol-%				
Upper explosion limit	32 Vol-%				
Vapour pressure	4100 hPa	20 °C			
Density	0,61 g/ml	20 °C			
Solubility in water					insoluble

Explosive properties

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

10. STABILITY AND REACTIVITY

Conditions to avoid

Keep away from heat.
Formation of explosive gas/air mixtures.

Materials to avoid

Reactions with oxidising agents.

Hazardous decomposition products

carbon monoxide and carbon dioxide

Thermal decomposition

Remark No decomposition if used as directed.

11. TOXICOLOGICAL INFORMATION

Experiences made from practice

Risk of strong health injuries in case of long-term exposition.

12. ECOLOGICAL INFORMATION

General regulation

Do not allow uncontrolled leakage of product into the environment.
Product is not allowed to be discharged into aquatic environment.



13. DISPOSAL CONSIDERATIONS

Waste code No.	Name of waste
15 01 04	metallic packaging
15 01 10*	packaging containing residues of or contaminated by dangerous substances
16 05 04*	gases in pressure containers (including halons) containing dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany, the Recycling and Waste Management Act 8 KrW-/AbfG) stipulates recycling as a requirement.

Recommendations for packaging

Dispose of according to the local waste regulations.

Recommended cleansing agent

E.g white spirit.

General information

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

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 1950 AEROSOLS, 2.1

transport in "limited quantities" according to 3.4 ADR LQ2 is possible

Marine transport IMDG

UN 1950 AEROSOLS, 2.1

Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1

15. REGULATORY INFORMATION

Remarks for classification

The product is classified and labelled in accordance with EC directives.

Classification

F+	Extremely flammable
Xi	Irritant

R-phrases

12	Extremely flammable.
38	Irritating to skin.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67	Vapours may cause drowsiness and dizziness.

S-phrases

16	Keep away from sources of ignition - No smoking.
2	Keep out of the reach of children.
23	Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
51	Use only in well-ventilated areas.
61	Avoid release to the environment. Refer to special instructions/safety data sheets.

Hazardous ingredients for labeling

Naphtha (petroleum), hydrotreated



Special labelling for certain preparations

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

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

Without sufficient ventilation the formation of explosive vapour/air mixtures cannot be excluded. Keep away from ignition sources - Do not smoke. Keep out of children's reach.

VOC standard

VOC value

0,259 g/L

16. OTHER INFORMATION

Recommend uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

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.

Wording of the R-phrases specified in chapter 3 (not the classification of the formulation!)

R 10 Flammable.

R 11 Highly flammable.

R 12 Extremely flammable.

R 36 Irritating to eyes.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

R 67 Vapours may cause drowsiness and dizziness.