

! SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Name of product**

CASSIDA PTFE DRY SPRAY

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

Aerosol

Lubricant

1.3. Details of the supplier of the safety data sheet**Manufacturer/distributor**

FUCHS LUBRITECH GMBH

Werner-Heisenberg-Straße 1, D-67661 Kaiserslautern/Germany

Phone +49 (0) 6301 3206 - 0, Fax +49 (0) 6301 3206 - 940

E-Mail reach@fuchs-lubritech.de

Internet www.fuchs-lubritech.com

Advice

Product Safety Management

Phone +49 (0) 6301 3206 - 0

Fax +49 (0) 6301 3206 - 940

E-mail (competent person):

reach@fuchs-lubritech.de

US Distributor

Fuchs Lubricants Co.

17050 Lathrop Avenue

Harvey, IL 60426

(708) 333-8900

(800) 255-3924 24 hrs Emergency

1.4. Emergency telephone number**Emergency advice**

+49 (0)171 / 4632154

Phone 06301/3206-808

This number is only available at office times.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to 67/548/EEC or 1999/45/EC**

F+; R12

R-phrases

12

Extremely flammable.

2.2. Label elements**Labelling according to 1999/45/EC****Remarks for labelling**

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

Classification done on the basis of calculation methods of substance directive (67/548 / EEC).

F+

Extremely flammable

**R-phrases**

12

Extremely flammable.

Hazardous ingredients for labeling

butane

Special rules for supplemental label elements for certain mixtures

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

Keep out of reach of children.

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

Keep away sources of ignition - don't smoke

If possible work in the open air or in well-ventilated rooms.

2.3. Other hazards**Information pertaining to special dangers for human and environment**

Application may cause development of explosive / inflammable vapour-air-mixtures



! SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Description

propellant: propane / butane

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
106-97-8	203-448-7 923-037-2	butane Kohlenwasserstoffe, C10-C12, Isoalkane, < 2% Aromaten	50 - 100 < 10	F+ R12 Xn; R65-66-53-10

REACH

CAS No	Name	REACH registration number
106-97-8	butane Kohlenwasserstoffe, C10-C12, Isoalkane, < 2% Aromaten	Exempt 01-2119471991-29

Additional advice

We do not know of adverse reactions at storage and handling of the product in accordance with the prescribed procedures.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately, don't leave to dry.

In case of inhalation

Ensure of fresh air.

Remove from danger zone

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off immediately with soap and water.

Don't use organic solvents

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Call doctor in case of indisposition

Do not induce vomiting.

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

Physician's information / possible symptoms

Coughing

Headache

Nausea

Confusion

Physician's information / possible dangers

Aspiration hazard when vomiting after swallow up

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

Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear suitable personal protective equipment for fire extinguishing measures.

Additional information

Cool endangered containers with water spray jet.

Explosion risk in case of longer heating

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Keep away sources of ignition.

Avoid contact with skin and eyes

High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

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

active agent: Prevent spread over a wide area (e.g. by containment or oil barriers).

Suppress gases/vapours/mists with water spray jet

Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Suck off by room ventilation.

Send in suitable containers for recovery or disposal.

Take up with absorbent material (e.g. general-purpose binder).

Additional Information

Informations for disposal see chapter 13.

6.4. Reference to other sections

No information available.

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.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

The product is extremely flammable.

Vapours can form an explosive mixture with air.

Bursting hazard with fire expansion and injury danger near fire

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.

Don't store in staircases and passage-ways

Advice on storage compatibility

Do not store together with oxidising and self-inflammable materials.

Further information on storage conditions

Store only in closed original container at cool and aired place.

Protect from heat and direct solar radiation.

Keep container dry.

Keep in a cool place, heat causes increase in pressure and risk of bursting.

Information on storage stability

Storage time: 24 months.

Storage group 2B

Fire class B



Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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CASSIDA PTFE DRY SPRAY

A01-07629

7.3. Specific end use(s)

No information available.

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	2400	1000	4(II)	DFG

Additional advice

As basis for this information served the valid references.

8.2. Exposure controls

Respiratory protection

Not required at determined application

Hand protection

As the product is a preparation of several substances, the actual resistance of the materials used for gloves cannot be scientifically calculated; it is therefore mandatory to check this before using the product.

The break through time depends on the mechanical stress imposed and must therefore be checked individually.

nitrile gloves

Eye protection

safety goggles

Skin protection

Usual working clothes for chemical industries

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

Follow general rules of industrial hygiene for safe handling of chemical products

At work do not eat, drink and smoke.

Storing of food in workroom forbidden.

Additional advice on system design

Care for good room ventilation, exhaust system at workshop place if necessary

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form

aerosol

Colour

white

Odour

solvent-like

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state					not applicable
boiling range	not applicable				Aerosols
Flash point	< 0 °C				
Autoignition					unknown
Vapour pressure	3000 - 3600 hPa	20 °C			Aerosol can pressure
Relative density		20 °C			Active agent + solved propellant pro rata
Solubility in water					more or less insoluble

Oxidising properties

no

Explosive properties

In and after use danger of production of inflammable compounds

Danger of bursting when heating over 50 °C



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

Because of the high vapour pressure, containers are liable to burst if temperature rises.

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.5. Incompatible materials

Materials to avoid

Reactions with oxidising agents.

10.6. Hazardous decomposition products

none at appropriate handling and storage

Thermal decomposition

Remark No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral				not determined
Irritability skin				frequent and/or persistent contact may cause skin irritation
Irritability eye	may have irritating effect			if splash reaches eye
Skin sensitization	No sensitizing effect known			

Experiences made from practice

Frequent persistent contact with the skin may cause skin irritation.

Additional information

No toxicological data available.

The product was classified on the basis of the calculation procedure of the directive 67/548/EEC (conventional method).

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

Value	Species	Method	Validation
Fish			not determined

12.2. Persistence and degradability

Biological

degradability

not determined

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

No information available.



No information available.

12.6. Other adverse effects

Behaviour in sewage plant

Product gets duly not into waste water before it is not treated according to the local regulations.

General regulation

Ecological dates are not available.

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product

Waste disposal in accordance with the relevant regulations.

Recommendations for packaging

Totally emptied packaging may be taken for recycling.

totally discharged and depressurized sprayer: EWC 15 01 04

Dispose one-trip container according to local authority prescriptions

General information

Therefore the a.m. recommendation has to be checked in case of need.

SECTION 14: Transport information

Land and inland navigation transport ADR/RID

UN 1950 AEROSOLS, 2.1, (D), Classification code: 5F

Minor quantities are not considered

Marine transport IMDG

UN 1950 AEROSOLS, 2.1

Labelling: AEROSOLS UN 1950

Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1

UN-4G/Y fibreboard boxes required

Transport/further information

Posting allowed: Pay attention to quantities

Special precautions for user

No information available.

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

No information available.

SECTION 15: Regulatory information

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

National regulations

Other regulations, restrictions and prohibition regulations

Take note of: TRG 300 "Aerosole" (GER)

Water hazard class

1

Mixture-WGK according to VwVwS (GER)

Decree for case of interference/ remarks

Annex I, No. 11

15.2. Chemical Safety Assessment

No information available.



! SECTION 16: Other information

Training advice

Use information in this MSDS

Recommended uses and restrictions

usage only according to instructions for use and observance of warning notes

National and local regulations concerning chemicals shall be observed.

! Further information

The information given in this MSDS is based on the present state of knowledge and is intended to describe our products from the point of view of safety requirements only.

Substantial changes to the former version are marked by "!" on the left margin of the paper.

All the raw materials in this product are listed in AICS.

All the raw materials in this product are listed in NZIoC (New Zealand).

Refer to product information paper.

Sources of key data used

Material Safety Data Sheets of raw materials

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 10 Flammable.

R 12 Extremely flammable.

R 53 May cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

R 66 Repeated exposure may cause skin dryness or cracking.