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

Name of product	4900200 PROVETRO Griffschutz 200 ml
Manufacturer/distributor	TGK GmbH Helleforthstraße 18 - 20, D-33758 Schloß Holte - Stukenbrock Phone 05207 91280, Fax 05207 912840 E-Mail tgk@tgk.de Internet www.tgk.de
Advice	Phone 05207 91280 Fax 05207 912840
Emergency advice	Phone 05207 91280

2. HAZARDS IDENTIFICATION

Classification

F; R11
Xi; R36

R-phrases

11 Highly flammable.
36 Irritating to eyes.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

Special hazards information for humans and environment

Highly flammable.
In use, may form flammable/explosive vapour-air mixture.
Irritating to eyes, respiratory system and skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
67-63-0		Isopropylalkohol	ca. 4	
540-82-9		Hydrogen Äthylsulfat	ca. 1	
64-17-5	200-578-6	ethyl alcohol	ca. 86	F R11
63148-62-9	o.A.	Siloxane		
70131-67-8		Siloxane		
68440-59-5		Siloxane		

4. FIRST AID MEASURES

General information

Remove contaminated soaked clothing immediately.
Take affected person into fresh air.
Seek medical treatment immediately.

In case of inhalation

Ensure of fresh air.

In case of skin contact

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

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

Refer to medical treatment.
If swallowed give water to drink.
Induce vomiting if patient is conscious, seek medical advice.

Physician's information / possible symptoms

In case of inhalation of plenty of solvent-containing fumes the following symptoms may occur:

Anaesthetic state
Headache
Nausea
Confusion
Dizziness

Treatment (Advice to doctor)

If swallowed, induce vomiting (if conscious).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

water
Foam
Dry powder
Carbon dioxide

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.
Wear full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective clothing.

Environmental precautions

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

Methods for cleaning up

Pump off larger quantity.
Send in suitable containers for recovery or disposal.
Flush away residues with water.
Take up mechanically.

Additional Information

Informations for safe handling see chapter 7.
Informations for personal protective equipment see chapter 8.
Informations for disposal see chapter 13.

7. HANDLING AND STORAGE

Advice on safe handling

Use only in well-ventilated areas.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
The product is easy combustible.
Vapours can form an explosive mixture with air.

Requirements for storage rooms and vessels

Ventilate store-rooms thoroughly.

Further information on storage conditions

Keep container tightly closed.
Store only at temperature of 40°C minimum (=104°F).
Keep container in a well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional advice on system design

Provide for sufficient exhaust air.

biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Unter- suchungs- material	Proben- nahme- zeitpunkt
67-63-0	propan-2-ol	Aceton	50 mg/l	B	b
67-63-0	propan-2-ol	Aceton	50 mg/l	U	b

Respiratory protection

Filter A or environment-independent breathing apparatus

Hand protection

Protective gloves

Eye protection

safety goggles

Skin protection

protective clothing

General protective measures

Do not inhale vapours.
Avoid contact with eyes and skin

Hygiene measures

Do not eat or drink when working.
Clean skin thoroughly after working.
Do not smoke when working.
Remove soiled or soaked clothing immediately.
Wash skin thoroughly and immediately after handling the product.
Work in rooms with good ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form liquid	Colour colourless, clear	Odour alcoholic
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Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
boiling point	78 °C				
melting point	-117 °C				
Flash point	12 °C				
Autoignition	370 °C				
Lower explosion limit	3,3 Vol-%				
Upper explosion limit	19 Vol-%				
Vapour pressure	43,89 mbar	25 °C			
Density	800 g/l				
Rel. vapour density	> 1				
Solubility in water		25 °C			soluble
Partition coefficient (log p_{OW})	-0,3				
Solids content	9 Vol-%				

Explosive properties

The product is not explosive, however the formation of explosive mixtures of vapor and air is possible.

10. STABILITY AND REACTIVITY

Conditions to avoid

Formation of explosive gas/air mixtures.
Risk of fire
Strong dehydrating effect (desiccating).

Materials to avoid

Reactions with strong oxidising agents.
Reactions with halogenated compounds.

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
Irritability skin	irritant			
Irritability eye	irritant			

12. ECOLOGICAL INFORMATION

Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	Product is biodegradable.			
Biological degradability	The product is biodegradable.			
Degradability				Biodegradable

13. DISPOSAL CONSIDERATIONS

Recommendations for the product

Remove in accordance with local official regulations.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 1170 ETHYL ALCOHOL (ethyl alcohol), 3, II, Special provisions 640C

Marine transport IMDG

UN 1170 ETHYL ALCOHOL (ethyl alcohol), 3, II

Air transport ICAO/IATA-DGR

UN 1170 Ethyl alcohol (ethyl alcohol), 3, II

! 15. REGULATORY INFORMATION

! Classification

- F** Highly flammable
- Xi** Irritant

R-phrases

- 11 Highly flammable.
- 36 Irritating to eyes.
- 66 Repeated exposure may cause skin dryness or cracking.
- 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.
- 7 Keep container tightly closed.

National regulations

16. OTHER INFORMATION

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 2 (not the classification of the formulation!)

R 11 Highly flammable.