

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

Name of product	5300100 FIGURO Konturenstift
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

R10

R-phrases

10 Flammable.

Special hazards information for humans and environment

Flammable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

CAS No	EC No	Name	[%]	Classification
64-17-5	200-578-6	ethanol	2,5 - 10	F R11
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol	2,5 - 10	Xi R36

4. FIRST AID MEASURES

In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

Generally product does not irritate the skin.

In case of eye contact

In case of contact with eyes rinse thoroughly with water.

In case of ingestion

In the event of persistent symptoms seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Alcohol-resistant foam
Dry powder
Carbon dioxide
Water spray jet

Special protective equipment for fire-fighters

no

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Remove persons to safety.
Keep people away and stay on the upwind side.
Use personal protective clothing.

Environmental precautions

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

Methods for cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

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

Take measures against electrostatically charging.
No special measures necessary if used correctly.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Take precautionary measures against static discharges.

Requirements for storage rooms and vessels

No special measures required.

Advice on storage compatibility

Do not store together with food.

Further information on storage conditions

Keep container tightly closed.
Stir before use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC or 2006/15/EC)

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
112-34-5	2-(2-butoxyethoxy)ethanol	8 hours	67,5	10	
		Short-term	101,2	15	

Respiratory protection

If ventilation insufficient, wear respiratory protection.

Hand protection

Protective gloves

Eye protection

tightly fitting goggles

Skin protection

protective clothing

Hygiene measures

Wash hands before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

viscous

Colour

various

Odour

characteristic

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
boiling point					not determined
melting point					not determined
Flash point	37 °C			DIN 51755	
Ignition temperature	225 °C				
Autoignition	no				
Lower explosion limit	2,6 Vol-%				
Upper explosion limit	12,6 Vol-%				
Vapour pressure	0,1 hPa	20 °C			
Density	2 - 3 g/cm ³	20 °C			
Solubility in water					miscible
Solvent concentration	20 - 30 %				
Water content	< 10 %				
Solids content	40 - 50 %				

Explosive properties

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

10. STABILITY AND REACTIVITY

Hazardous decomposition products

No hazardous decomposition products known.

Thermal decomposition

Remark No decomposition below 100°C.

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
Irritability skin	no			
Irritability eye	no			
Skin sensitization	non-sensitizing			

12. ECOLOGICAL INFORMATION

General regulation

Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

13. DISPOSAL CONSIDERATIONS

Recommendations for the product

In accordance with regulations for special waste, must be taken to a special waste disposal.

Remove in accordance with local official regulations.

Recommended cleansing agent

Water, if applicable add detergents.

General information

Do not dispose together with household waste. Do not discharge into sewerage.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

No hazardous material as defined by the prescriptions.

Marine transport IMDG

UN 1263 PAINT, 3, III

Air transport ICAO/IATA-DGR

UN 1263 Paint, 3, III

15. REGULATORY INFORMATION

Remarks for classification

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

R-phrases

10 Flammable.

S-phrases

24 Avoid contact with skin.

60 This material and its container must be disposed of as hazardous waste

National regulations

Technical instruction air

Class II	Anteil 10 - 25 %
Class III	Anteil 10 - 25 %

Water hazard class

Water Hazard Class 2: Hazardous to waters

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.
R 36 Irritating to eyes.