

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

<b>Name of product</b>	<b>5300102 FIGURO Konturenstift Violett</b>
<b>Manufacturer/distributor</b>	TGK GmbH Helleforthstraße 18 - 20, D-33758 Schloß Holte - Stukenbrock Phone 05207 91280, Fax 05207 912840  E-Mail <a href="mailto:tgk@tgk.de">tgk@tgk.de</a> Internet <a href="http://www.tgk.de">www.tgk.de</a>
<b>Advice</b>	Phone 05207 91280 Fax 05207 912840
<b>Emergency advice</b>	Phone 05207 91280

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## 2. HAZARDS IDENTIFICATION

### Classification

R10

### R-phrases

10 Flammable.

### Special hazards information for humans and environment

Flammable.

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## 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
18282-10-5	242-159-0	tin oxide	2,5 - 10	

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## 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

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## 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.

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## 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.

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## 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 <sup>3</sup> ]	[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.

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**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
<b>boiling point</b>					not determined
<b>melting point</b>					not determined
<b>Flash point</b>	37 °C			DIN 51755	
<b>Ignition temperature</b>	225 °C				
<b>Autoignition</b>	no				
<b>Lower explosion limit</b>	2,6 Vol-%				
<b>Upper explosion limit</b>	12,6 Vol-%				
<b>Vapour pressure</b>	0,1 hPa	20 °C			
<b>Density</b>	2 - 3 g/cm <sup>3</sup>	20 °C			
<b>Solubility in water</b>					miscible
<b>Viscosity 1 dynamic</b>	2000 - 3000 mPa*s	20 °C			
<b>Solvent concentration</b>	20 - 30 %				
<b>Water content</b>	< 10 %				
<b>Solids content</b>	60 - 70 %				

**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.

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## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity/Irritability/Sensitization

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

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## 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.

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## 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.

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## 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

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## 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

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## 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.