ITW LLC & Co. KG



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

#### **Screen TFT**

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Screen TFT

## 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Uses advised against

Reserved for industrial and professional use.

## 1.3. Details of the supplier of the safety data sheet

Company name: ITW LLC & Co. KG
Street: Mühlackerstrasse 149
Place: D-75417 Mühlacker

Telephone: ++49(0)7041-96340 Telefax: ++49(0)7041-963429

e-mail: info@itwcp.de
Internet: www.itwcp.de
Responsible Department: Produktsicherheit

1.4. Emergency telephone ++49(0)7041-96340

number: Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00

#### **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

## **Regulation (EC) No. 1272/2008**

Hazard categories: Aerosol: Aerosol 1 Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

## 2.2. Label elements

### Regulation (EC) No. 1272/2008

Signal word: Danger

Pictograms:



#### **Hazard statements**

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

# **Precautionary statements**

P102 Keep out of reach of children.
P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P211 Do not spray on an open flame or other ignition source.

P271 Use only outdoors or in a well-ventilated area.

# **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures



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#### **Hazardous components**

CAS No	Chemical name					
	EC No	Index No	REACH No			
	Classification according to Regulation (EC) No. 1272/2008 [CLP]					
106-97-8	butane butane					
	203-448-7	601-004-00-0				
	Flam. Gas 1; H220					
74-98-6	propane					
	200-827-9	601-003-00-5				
Flam. Gas 1; H220						

Full text of H and EUH statements: see section 16.

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.

## After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

If swallowed, immediately drink: Water.

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

No data available

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

No data available

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO2). Foam. Extinguishing powder.

#### Unsuitable extinguishing media

Water with tenside additive. Water.

# 5.2. Special hazards arising from the substance or mixture

Combustible. Vapours may form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

## Additional information

Use water spray jet to protect personnel and to cool endangered containers.

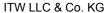
## **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Explosion hazard.





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#### 6.3. Methods and material for containment and cleaning up

Ventilate affected area.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

#### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking.

#### 7.2. Conditions for safe storage, including any incompatibilities

## Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition. - No smoking.

#### Advice on storage compatibility

Do not store together with: Material, rich in oxygen, oxidizing.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

#### 8.2. Exposure controls

#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

## Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

## Eye/face protection

Tightly sealed safety glasses.

## **Hand protection**

DIN EN 374 Tested protective gloves are to be worn: Butyl rubber. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

## Skin protection

Protective clothing:

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state: Aerosol
Colour: Foam.
Odour: characteristic



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Test method

#### Changes in the physical state

Initial boiling point and boiling range:	-0,5 °C
Flash point:	< 0 °C
Lower explosion limits:	1,4 vol. %
Upper explosion limits:	9,4 vol. %
Ignition temperature:	365 °C
Vapour pressure: (at 20 °C)	2100 hPa
Vapour pressure: (at 50 °C)	4900 hPa
Density:	0,88 g/cm <sup>3</sup>

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

No data available

## 10.2. Chemical stability

No data available

## 10.3. Possibility of hazardous reactions

No data available

#### 10.4. Conditions to avoid

Keep away from heat. Ignition hazard.

# 10.5. Incompatible materials

No data available

## 10.6. Hazardous decomposition products

No data available

## **SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

## Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose		Species	Source
106-97-8	butane				
	inhalative (4 h) gas	LC50	273000 ppm	Rat	GESTIS

### Additional information on tests

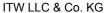
The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

# **SECTION 12: Ecological information**

## 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
106-97-8	butane	2,89
74-98-6	propane	2,36





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#### **Further information**

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

#### Advice on disposal

Dispose of waste according to applicable legislation.

#### Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and

discarded chemicals; gases in pressure containers (including halons) containing hazardous

substances

Classified as hazardous waste.

## Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately

collected municipal packaging waste); metallic packaging

#### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## **SECTION 14: Transport information**

#### Land transport (ADR/RID)

**14.1. UN number:** UN1950 **14.2. UN proper shipping name:** AEROSOLS

14.3. Transport hazard class(es): 2
Hazard label: 2.



Classification code: 5F

Special Provisions: 190 327 625

Limited quantity: 1 L
Transport category: 2
Tunnel restriction code: D

#### Other applicable information (land transport)

ΕC

# Inland waterways transport (ADN)

14.1. UN number:UN195014.2. UN proper shipping name:AEROSOLS

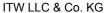
14.3. Transport hazard class(es): 2
Hazard label: 2.1



Classification code: 5F

Special Provisions: 190 327 344 625

Limited quantity: 1 L





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#### Other applicable information (inland waterways transport)

E0

#### Marine transport (IMDG)

14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS

14.3. Transport hazard class(es): 2
14.4. Packing group: -

Hazard label: 2, see SP63

Special Provisions: 63, 190, 277, 327, 344, 959

Limited quantity: See SP277 EmS: F-D, S-U

#### Other applicable information (marine transport)

E0

## Air transport (ICAO)

**14.1. UN number:** UN1950

**14.2. UN proper shipping name:** AEROSOLS, flammable

14.3. Transport hazard class(es):2.1Hazard label:2.1



Special Provisions: A145 A167 Limited quantity Passenger: 30 kg G

IATA-packing instructions - Passenger:203IATA-max. quantity - Passenger:75 kgIATA-packing instructions - Cargo:203IATA-max. quantity - Cargo:150 kg

#### Other applicable information (air transport)

E0 : Y203

## 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

## **SECTION 15: Regulatory information**

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

#### **EU** regulatory information

2004/42/EC (VOC): 25 % (220 g/l)

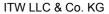
**National regulatory information** 

Water contaminating class (D): 1 - slightly water contaminating

## **SECTION 16: Other information**

#### Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.





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H222 H229	Extremely flammable aerosol.  Pressurised container: May burst if heated.	

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)