



# CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

## 1. Chemical product and company identification

<b>Product name</b>	<b>Tflex HD300DC1</b>
<b>Product code</b>	Tflex HD300DC1
<b>Manufacturer / Supplier</b>	Laird Technologies
<b>Address</b>	C3&C4 Building, HongTai Industry Park, NO.87 Tai Feng Road, TEDA, Tianjin China
<b>Telephone number</b>	+86(0)22-66298160
<b>Emergency telephone number</b>	+1-703-527-3887
<b>Telephone hours</b>	24 hours per day, 7 days per week. Collect calls accepted.

### Recommended use and Limitations on use

<b>Recommended use</b>	Industrial use.
<b>Issue date</b>	05-February-2015
<b>Revision date</b>	-
<b>Supersedes date</b>	-

## 2. Hazards identification

**Emergency overview** Low hazard under normal conditions.

### GHS-classification

Not classified.

### Label elements

<b>Pictograms</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	The mixture does not meet the criteria for classification.

### Precautionary statement

<b>Prevention</b>	Observe good industrial hygiene practices.
<b>Response</b>	Get medical attention/advice if you feel unwell.
<b>Storage</b>	Store away from incompatible materials.
<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements.

**Physical and chemical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

## 3. Composition/information on ingredients

<b>Substance/mixture</b>	Mixture	
<b>Chemical name</b>	<b>CAS Number</b>	<b>Concentration (%)</b>
Aluminum oxide	1344-28-1	Proprietary

## 4. First aid measures

<b>Inhalation</b>	Not relevant, due to the form of the product.
<b>Skin contact</b>	No adverse effects due to skin contact. However, rinse with water.
<b>Eye contact</b>	Not relevant, due to the form of the product.
<b>Ingestion</b>	Not relevant, due to the form of the product.
<b>Most important symptoms and health effects</b>	Not relevant, due to the form of the product.
<b>Expected acute symptoms and delayed symptoms</b>	Not relevant, due to the form of the product.

**Personal protection for first-aid responders** First aid personnel must be aware of own risk during rescue.

**Notes to physician** Treat symptomatically.

## 5. Fire-fighting measures

**Extinguishing media** Use fire-extinguishing media appropriate for surrounding materials.

**Extinguishing media to avoid** None.

**Specific hazards** During fire, gases hazardous to health may be formed.

**Special fire fighting procedures** Use standard firefighting procedures and consider the hazards of other involved materials.

**Protection of fire-fighters** Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Used as intended, this product is not expected to generate potentially hazardous quantities of dust or fumes. For personal protection, see Section 8 of the SDS.

**For emergency responders** Keep unnecessary personnel away.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

**Clean-up methods and materials and containment measures** Sweep up or gather material and place in appropriate container for disposal. For waste disposal, see Section 13 of the SDS.

**Prevention of secondary hazards** None known.

## 7. Handling and storage

**Handling** Normal handling and use of this product should not generate dust or fumes. The intended use of this product does not include its milling, grinding or saw cutting. Observe good industrial hygiene practices.

**Storage** Store in closed original container in a dry place.

## 8. Exposure controls/personal protection

### Exposure limits

China

**Components**

Aluminum oxide (CAS 1344-28-1)

**Type**

TWA

**Value**

4 mg/m<sup>3</sup>

**Form**

Total dust.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Control parameters** Follow standard monitoring procedures.

**Engineering measures** Used as intended, this product is not expected to generate potentially hazardous quantities of dust or fumes.  
In an industrial work environment no special precautions or control measures are required.

### Personal protective equipment

**Respiratory protection** Not normally needed.

**Hand protection** Not normally needed.

**Eye protection** Not normally needed.

**Skin and body protection** No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

**Hygiene measures** Wash hands after contact.

## 9. Physical and chemical properties

### Appearance

**Physical state** Solid.

**Form** Sheets or rolls.

**Color** Pink.

**Odor** Odorless.

<b>Odor threshold</b>	Not applicable.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	Not available.
<b>Boiling point, initial boiling point, and boiling range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Flammability limit - lower (%)</b>	Not applicable.
<b>Flammability limit - upper (%)</b>	Not applicable.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	3 - 3.2
<b>Relative density temperature</b>	77 °F (25 °C)
<b>Density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble in water.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	Not available.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Other data</b>	
<b>Explosive properties</b>	Not applicable.
<b>Oxidizing properties</b>	Not applicable.
<b>Viscosity</b>	Not applicable.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Stability</b>	Stable under normal temperature conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous decomposition products</b>	None known.

## 11. Toxicological information

<b>Acute toxicity</b>	No adverse effects are expected.
<b>Routes of exposure</b>	Skin.
<b>Symptoms</b>	Not relevant, due to the form of the product.
<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/eye irritation</b>	Not classified.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not classified.
<b>Skin sensitization</b>	Not classified.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>Toxic to reproduction</b>	Not classified.
<b>Specific target organ toxicity following single exposure</b>	Not classified.

<b>Specific target organ toxicity following repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not relevant, due to the form of the product.
<b>Chronic effects</b>	None known.
<b>Other information</b>	None known.

## 12. Ecological information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in soil</b>	The product is insoluble in water and will sediment in water systems.
<b>Other hazardous effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## 13. Disposal considerations

<b>Residual waste</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Not applicable.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.

## 14. Transport information

<b>CNDG</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.

## 15. Regulatory information

### Applicable regulations

#### Occupational exposure limits for hazardous agents in the workplace (GBZ 2.1-2007)

Not listed.

#### Restricted Import/Export Toxic Chemical List (MEP and GCA Announcement No. 2008-66, Dec. 1, 2008, amended through MEP and Customs Notice No. 2011-91, December 28, 2011)

Not regulated.

#### Classification and code of dangerous goods (GB 6944-2012)

Not regulated.

#### UN Recommendations on the Transport of Dangerous Goods (UN RTDG)

Not regulated.

## 16. Other information

<b>References</b>	HSDB® - Hazardous Substances Data Bank Registry of Toxic Effects of Chemical Substances (RTECS)
<b>Disclaimer</b>	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.