SAFETY DATA SHEET

1. Identification

Product identifier  Tflex 600
Other means of identification None.
Recommended use Industrial use.
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer  Laird
Address  4707 Detroit Ave Cleveland, Ohio 44102
USA
Telephone number  +1-216-939-2300
Email  clv-customerservice@lairdtech.com

Manufacturer  Laird
Address  C3&C4 Building, HongTai Industry Park, NO.87 Tai Feng Road, TEDA,
Tianjin, China
Telephone number  +86(0)22-66298160

Corporate Office  Laird PLC
Address  100 Pall Mall, London, SW1Y 5NQ
United Kingdom
Telephone number  +44 (0)20 7468 4040

Emergency telephone number  Within USA and Canada: 1-800-424-9300 (Chemtrec). Other Countries:
+1-703-527-3887.
Telephone hours  24 hours per day, 7 days per week. Collect calls accepted.

2. Hazard(s) identification

Physical hazards  Not classified.
Health hazards  Not classified.
OSHA defined hazards  Not classified.

Label elements

Hazard symbol  None.
Signal word  None.
Hazard statement  None.

Precautionary statement

Prevention  Observe good industrial hygiene practices.
Response  Wash hands after handling.
Storage  Store away from incompatible materials.
Disposal  Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC)  None known.
Supplemental information  None.

3. Composition/information on ingredients

Mixtures
The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.
4. First-aid measures

Not relevant, due to the form of the product.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

General information

First aid personnel must be aware of own risk during rescue.

5. Fire-fighting measures

Use fire-extinguishing media appropriate for surrounding materials.

Suitable extinguishing media

None.

Unsuitable extinguishing media

During fire, gases hazardous to health may be formed.

Specific hazards arising from the chemical

Use standard firefighting procedures and consider the hazards of other involved materials.

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.

Special protective equipment and precautions for firefighters

Use standard firefighting procedures and consider the hazards of other involved materials.

Fire fighting equipment/instructions

Will burn if involved in a fire.

General fire hazards

6. Accidental release measures

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

Personal precautions, protective equipment and emergency procedures

Sweep up or gather material and place in appropriate container for disposal. For waste disposal, see section 13 of the SDS.

Methods and materials for containment and cleaning up

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

Environmental precautions

7. Handling and storage

No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product. Observe good industrial hygiene practices.

Precautions for safe handling

Store in closed original container in a dry place.

Conditions for safe storage, including any incompatibilities

8. Exposure controls/personal protection

No exposure limits noted for ingredient(s).

Occupational exposure limits

No biological exposure limits noted for the ingredient(s).

Biological limit values

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.

Appropriate engineering controls

Not normally needed.

Individual protection measures, such as personal protective equipment

Not normally needed.

Eye/face protection

Not normally needed.

Skin protection

Hand 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.

Other

Not normally needed.

Respiratory protection

Wear appropriate thermal protective clothing, when necessary.

Thermal hazards
General hygiene considerations

Wash hands after contact.

9. Physical and chemical properties

Appearance
- Physical state: Solid.
- Form: Sheet.
- Color: Purple
- Odor: Odorless.
- Odor threshold: Unknown.
- pH: Not applicable.
- Melting point/freezing point: Not available.
- Initial boiling point and boiling range: Not applicable.
- Flash point: Not applicable.
- Evaporation rate: Negligible.
- Flammability (solid, gas): Non flammable.

Upper/lower flammability or explosive limits
- Flammability limit - lower (%): Not applicable.
- Flammability limit - upper (%): Not applicable.

Vapor pressure: Negligible.
Vapor density: Negligible.
Relative density: 1.4

Solubility(ies)
- Solubility (water): Negligible.
- Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature: Not applicable.
Decomposition temperature: Not available.
Viscosity: Not applicable.

Other information
- Bulk density: 1.4 g/cm³ at 25 °C
- Explosive properties: Not explosive.
- Oxidizing properties: Not oxidizing.
- VOC (Weight %): < 1 %

10. Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

Conditions to avoid
Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Carbon oxides.

11. Toxicological information

Information on likely routes of exposure
- Inhalation: Not likely, due to the form of the product.
- Skin contact: No adverse effects due to skin contact.
### Eye contact
No adverse effects due to eye contact are expected.

### Ingestion
No harmful effects expected in amounts likely to be ingested by accident.

### Symptoms related to the physical, chemical and toxicological characteristics
Not relevant, due to the form of the product.

### Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute toxicity</strong></td>
<td>No adverse effects are expected.</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td>Not classified.</td>
</tr>
<tr>
<td><strong>Serious eye damage/eye irritation</strong></td>
<td>Not classified.</td>
</tr>
<tr>
<td><strong>Respiratory or skin sensitization</strong></td>
<td>Not classified.</td>
</tr>
<tr>
<td><strong>Respiratory sensitization</strong></td>
<td>Not classified.</td>
</tr>
<tr>
<td><strong>Skin sensitization</strong></td>
<td>Not classified.</td>
</tr>
<tr>
<td><strong>Germ cell mutagenicity</strong></td>
<td>Not classified.</td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td>Not classified. This product is an article.</td>
</tr>
</tbody>
</table>

**IARC Monographs. Overall Evaluation of Carcinogenicity**
- Not listed.

**NTP Report on Carcinogens**
- Not listed.

- Not regulated.

<table>
<thead>
<tr>
<th>Effect</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Reproductive toxicity</strong></td>
<td>Not classified.</td>
</tr>
<tr>
<td><strong>Specific target organ toxicity - single exposure</strong></td>
<td>Not classified.</td>
</tr>
<tr>
<td><strong>Specific target organ toxicity - repeated exposure</strong></td>
<td>Not classified.</td>
</tr>
<tr>
<td><strong>Aspiration hazard</strong></td>
<td>Not relevant, due to the form of the product.</td>
</tr>
<tr>
<td><strong>Chronic effects</strong></td>
<td>No known chronic or acute health risks.</td>
</tr>
<tr>
<td><strong>Further information</strong></td>
<td>None known.</td>
</tr>
</tbody>
</table>

### 12. Ecological information

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ecotoxicity</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Persistence and degradability</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Bioaccumulative potential</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Mobility in soil</strong></td>
<td>The product is insoluble in water and will sediment in water systems.</td>
</tr>
<tr>
<td><strong>Other adverse effects</strong></td>
<td>An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.</td>
</tr>
</tbody>
</table>

### 13. Disposal considerations

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Disposal instructions</strong></td>
<td>Collect and reclaim or dispose in sealed containers at licensed waste disposal site.</td>
</tr>
<tr>
<td><strong>Local disposal regulations</strong></td>
<td>Dispose in accordance with all applicable regulations.</td>
</tr>
<tr>
<td><strong>Hazardous waste code</strong></td>
<td>The waste code should be assigned in discussion between the user, the producer and the waste disposal company.</td>
</tr>
<tr>
<td><strong>Waste from residues / unused products</strong></td>
<td>Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).</td>
</tr>
<tr>
<td><strong>Contaminated packaging</strong></td>
<td>Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.</td>
</tr>
</tbody>
</table>

### 14. Transport information

**DOT**
- Not regulated as dangerous goods.

**IATA**
- Not regulated as dangerous goods.
15. Regulatory information

**US federal regulations**

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

- **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**
  Not regulated.

  Not regulated.

- **CERCLA Hazardous Substance List (40 CFR 302.4)**
  Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

- Immediate Hazard - No
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical**

- No

**SARA 313 (TRI reporting)**

- Not regulated.

**Other federal regulations**

- **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**
  Not regulated.

- **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**
  Not regulated.

- **Safe Drinking Water Act (SDWA)**
  Not regulated.

**US state regulations**

- **US. Massachusetts RTK - Substance List**
  Filler (CAS 1303-86-2)

- **US. New Jersey Worker and Community Right-to-Know Act**
  Filler (CAS 1303-86-2)

- **US. Pennsylvania Worker and Community Right-to-Know Law**
  Filler (CAS 1303-86-2)

- **US. Rhode Island RTK**
  Not regulated.

- **US. California Proposition 65**
  WARNING: This product contains a chemical known to the State of California to cause cancer.
  **US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**
  Additive (CAS 100-41-4)

**International Inventories**

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).
16. Other information, including date of preparation or last revision

Issue date 12-February-2016
Revision date -
Version # 01
HMIS® ratings
Health: 0
Flammability: 0
Physical hazard: 0

NFPA ratings

Disclaimer Laird cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user’s responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.