SAFETY DATA SHEET

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

1.1. Product identifier
Trade name or designation of the mixture: Tpli 200 Series
Registration number: -
Synonyms: None.
Issue date: 23-September-2016
Version number: 01
Revision date: -
Supersedes date: -

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Industrial use.
Uses advised against: None known.

1.3. Details of the supplier of the safety data sheet
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

1.4. 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.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 as amended
Hazard summary: Health injuries are not known or expected under normal use.

2.2. Label elements
Label according to Regulation (EC) No. 1272/2008 as amended
Hazard pictograms: None.
Signal word: None.
Hazard statements: None.

Precautionary statements
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.

Supplemental label information: None known.

2.3. Other hazards
None known.
SECTION 3: Composition/information on ingredients

3.2. Mixtures
The components are not hazardous or are below required disclosure limits.

SECTION 4: First aid measures

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

4.1. Description of first aid measures
   Inhalation Not relevant, due to the form of the product.
   Skin contact Not relevant, due to the form of the product.
   Eye contact Not relevant, due to the form of the product.
   Ingestion Not relevant, due to the form of the product.

4.2. Most important symptoms and effects, both acute and delayed
Not relevant, due to the form of the product.

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

SECTION 5: Firefighting measures

General fire hazards The product is non-combustible.

5.1. Extinguishing media
   Suitable extinguishing media Not applicable.
   Unsuitable extinguishing media Not applicable.

5.2. Special hazards arising from the substance or mixture Not applicable.

5.3. Advice for firefighters
   Special protective equipment for firefighters Not applicable.
   Special fire fighting procedures Not applicable.

Specific methods Not applicable.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
   Keep unnecessary personnel away.
   For non-emergency personnel
   For emergency responders Keep unnecessary personnel away. For personal protection, see Section 8 of the SDS.

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

6.3. Methods and material for containment and cleaning up
   Sweep up or gather material and place in appropriate container for disposal.

6.4. Reference to other sections
   For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

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

7.2. Conditions for safe storage, including any incompatibilities
   Store in closed original container in a dry place.

7.3. Specific end use(s)
   Industrial use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
   Occupational exposure limits No exposure limits noted for ingredient(s).
   Biological limit values No biological exposure limits noted for the ingredient(s).
   Recommended monitoring procedures Follow standard monitoring procedures.
8.2. Exposure controls

In an industrial work environment no special precautions or control measures are required.

Individual protection measures, such as personal protective equipment

General information
No special protective equipment required.

Eye/face protection
Not normally needed.

Skin protection
- Hand protection
Not normally needed.
- Other
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.

Respiratory protection
Not normally needed.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

Hygiene measures
Wash hands after contact.

Environmental exposure controls
Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
- Physical state
  Solid.
- Form
  Sheet.
- Colour
  Various.
- Odour
  None.
- Odour threshold
  Not applicable.
- pH
  Not applicable.
- Melting point/freezing point
  Not applicable.
- Flash point
  Not applicable.
- Evaporation rate
  Not applicable.
- Flammability (solid, gas)
  Non flammable.

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

Vapour pressure
Negligible.

Vapour density
Negligible.

Relative density
1.62

Solubility(ies)
Insoluble

Partition coefficient (n-octanol/water)
Not applicable.

Auto-ignition temperature
Not applicable.

Decomposition temperature
Not applicable.

Viscosity
Not applicable.

Explosive properties
Not available.

Oxidising properties
Not available.

9.2. Other information
- Bulk density
  1,32 g/cc at 25 °C
- VOC
  Not applicable.
SECTION 10: Stability and reactivity

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

10.2. Chemical stability  
Material is stable under normal conditions.

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

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

10.5. Incompatible materials  
Not applicable.

10.6. Hazardous decomposition products  
Not applicable.

SECTION 11: Toxicological information

General information  
Under normal conditions of intended use, this material does not pose a risk to health.

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  
Not relevant, due to the form of the product.

11.1. Information on toxicological effects  

- **Acute toxicity**  
  No adverse effects are expected.

- **Skin corrosion/irritation**  
  Not classified.

- **Serious eye damage/eye irritation**  
  Not classified.

- **Respiratory sensitisation**  
  Not classified.

- **Skin sensitisation**  
  Not classified.

- **Germ cell mutagenicity**  
  Not classified.

- **Carcinogenicity**  
  Not classified. This product is an article.

- **Reproductive toxicity**  
  Not classified.

- **Specific target organ toxicity - single exposure**  
  Not classified.

- **Specific target organ toxicity - repeated exposure**  
  Not classified.

- **Aspiration hazard**  
  Not relevant, due to the form of the product.

- **Mixture versus substance information**  
  No data available.

- **Other information**  
  None known.

SECTION 12: Ecological information

12.1. Toxicity  
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.

12.2. Persistence and degradability  
No data available.

12.3. Bioaccumulative potential  
No data available.

12.4. Mobility in soil  
The product is insoluble in water.

12.5. Results of PBT and vPvB assessment  
Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects  
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations

13.1. Waste treatment methods  
Residual waste  
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).
Contaminated packaging: 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.

EU waste code: The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information: Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Special precautions: Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR: 14.1. - 14.6.: Not regulated as dangerous goods.

RID: 14.1. - 14.6.: Not regulated as dangerous goods.

ADN: 14.1. - 14.6.: Not regulated as dangerous goods.

IATA: 14.1. - 14.6.: Not regulated as dangerous goods.

IMDG: 14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

SECTION 15: Regulatory information

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

EU regulations
- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended
  Not listed.
  Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended
  Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended
  Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended
  Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended
  Not listed.
  Not listed.
- Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA
  Not listed.

Authorisations
- Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended
  Not listed.

Restrictions on use
- Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
  Not listed.
- Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.
  Not listed.

Other EU regulations
- Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended
  Not listed.

Other regulations: The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations: Follow national regulation for work with chemical agents.
No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

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<thead>
<tr>
<th>List of abbreviations</th>
<th>Not available.</th>
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<td>References</td>
<td>Not available.</td>
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<tr>
<td>Information on evaluation method leading to the classification of mixture</td>
<td>The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.</td>
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<tr>
<td>Full text of any H-statements not written out in full under Sections 2 to 15</td>
<td>None.</td>
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<tr>
<td>Training information</td>
<td>Follow training instructions when handling this material. 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.</td>
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<td>Disclaimer</td>
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