



SAFETY DATA SHEET

1. Identification

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|---|--|
| Product identifier | Tflex HD90000 |
| 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 | The product is an article and therefore the classification requirements do not apply. |
| 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. | |
| Composition comments | This product is an article. |

4. First-aid measures

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|--|--|
| 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. |
| Most important symptoms/effects, acute and delayed | No specific symptoms noted. |
| 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

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|---|---|
| Suitable extinguishing media | Use fire-extinguishing media appropriate for surrounding materials. |
| Unsuitable extinguishing media | None. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | 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. |
| Fire fighting equipment/instructions | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | Will burn if involved in a fire. |

6. Accidental release measures

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|---|---|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up | Sweep up or gather material and place in appropriate container for disposal. For waste disposal, see section 13 of the SDS. |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |

7. Handling and storage

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|--|--|
| Precautions for safe handling | 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. |
| Conditions for safe storage, including any incompatibilities | Store in closed original container in a dry place. |

8. Exposure controls/personal protection

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|--|---|
| Occupational exposure limits | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Appropriate engineering controls | 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. |
| Individual protection measures, such as personal protective equipment | |
| 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. |
| General hygiene considerations | Wash hands after contact. |

9. Physical and chemical properties

Appearance

| | |
|----------------|--------|
| Physical state | Solid. |
| Form | Pad |
| Color | Grey. |

Odor Not available.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density 3.6 (25 °C / 77 °F)

Solubility(ies)

Solubility (water) Insoluble in water.

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

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Bulk density 3600 kg/m³

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

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. Metal 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 | |
| Acute toxicity | No adverse effects are expected. |
| Skin corrosion/irritation | Not classified. |
| Serious eye damage/eye irritation | Not classified. |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not classified. |
| Skin sensitization | Not classified. |
| Germ cell mutagenicity | Not classified. |
| Carcinogenicity | Not classified. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| Not listed. | |
| NTP Report on Carcinogens | |
| Not listed. | |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | |
| Not regulated. | |
| 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. |
| Chronic effects | No known chronic or acute health risks. |
| Further information | This product is an article and is not expected to release hazardous chemicals under normal conditions of use. |

12. Ecological information

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| Ecotoxicity | 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. |
| Persistence and degradability | No data available. |
| Bioaccumulative potential | No data available. |
| Mobility in soil | The product is insoluble in water and will sediment in water systems. |
| Other adverse effects | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. |

13. Disposal considerations

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|--|--|
| Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. |
| Local disposal regulations | Dispose in accordance with all applicable regulations. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products | Dispose of in accordance with local regulations. |
| 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. |

14. Transport information

| | |
|-------------|-----------------------------------|
| DOT | Not regulated as dangerous goods. |
| IATA | Not regulated as dangerous goods. |

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

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.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

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

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*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 01-February-2017

Revision date -

Version # 01

HMIS® ratings
 Health: 0
 Flammability: 0
 Physical hazard: 0

List of abbreviations
 ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
 ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.
 IATA: International Air Transport Association.
 IMDG: International Maritime Dangerous Goods.

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