# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **TFL - Standard and Pigmented**

**Other means of identification**

**Product code** All Standard and Pigmented TFL Products

**Recommended use** Not available.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** Arclin USA, LLC

**Address** 1000 Holcomb Woods Parkway
Suite 342
Roswell, Georgia 30076
US

**Telephone** General Information: (877) 689-9145

**E-mail** Not available.

**Emergency phone number** 24 Hour Emergency: CHEMTREC (800) 424-9300

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** Not assigned.

**Hazard statement** Not assigned.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | CAS number | % |
|---|---|---|
| Formaldehyde | 50-00-0 | <0.1 |
| Methanol | 67-56-1 | <1.0 |

**Composition comments** This product is a paper coated or saturated with formaldehyde based resins.

## 4. First-aid measures

**Inhalation** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Skin contact** Wash with soap and water. Get medical attention if symptoms occur.

**Eye contact** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

**Ingestion** Seek medical advice.

| | |
|---|---|
| **Most important symptoms/effects, acute and delayed** | Direct contact with eyes may cause temporary irritation. The product contains a small impurity of formaldehyde: Formaldehyde is a known skin and respiratory sensitizer. |
| **Indication of immediate medical attention and special treatment needed** | Treat symptomatically.<br>Exposure may aggravate pre-existing skin or respiratory disorders. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Water. Water fog. Foam. Dry chemical. Carbon dioxide (CO2). |
| **Unsuitable extinguishing media** | None known. |
| **Specific hazards arising from the chemical** | During fire, gases hazardous to health may be formed such as: Formaldehyde. Carbon oxides. Nitrogen oxides. Potassium oxides. Sodium oxides. |
| **Special protective equipment and precautions for firefighters** | 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** | High concentrations of dust may form explosive mixture with air. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | Wear protective clothing as described in Section 8 of this safety data sheet. |
| **Methods and materials for containment and cleaning up** | Sweep or scoop up and remove. |
| **Environmental precautions** | Avoid discharge into drains, water courses or onto the ground. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Observe good industrial hygiene practices. Use only with adequate ventilation. Wash thoroughly after handling. |
| **Conditions for safe storage, including any incompatibilities** | Store in a cool place. Store away from incompatible materials (See Section 10). |

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

| Components | Type | Value |
|---|---|---|
| Formaldehyde (CAS 50-00-0) | STEL | 2 ppm |
| | TWA | 0.75 ppm |

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value |
|---|---|---|
| Methanol (CAS 67-56-1) | PEL | 260 mg/m3 |
| | | 200 ppm |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value |
|---|---|---|
| Formaldehyde (CAS 50-00-0) | Ceiling | 0.3 ppm |
| Methanol (CAS 67-56-1) | STEL | 250 ppm |
| | TWA | 200 ppm |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value |
|---|---|---|
| Formaldehyde (CAS 50-00-0) | Ceiling | 0.1 ppm |
| | TWA | 0.016 ppm |
| Methanol (CAS 67-56-1) | STEL | 325 mg/m3 |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value |
|---|---|---|
| | | 250 ppm |
| | TWA | 260 mg/m3 |
| | | 200 ppm |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| Methanol (CAS 67-56-1) | 15 mg/l | Methanol | Urine | * |

* - For sampling details, please see the source document.

**Appropriate engineering controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Normal eye protection practices should be used. If dusty conditions exist, chemical goggles are recommended.

**Skin protection**

**Hand protection** Regular work gloves.

**Other** Wear apron or protective clothing in case of contact. If contact with forearms is likely wear gauntlet style gloves.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

**Appearance** Paper.

**Physical state** Solid.

**Form** Paper.

**Color** Varies.

**Odor** Not available.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not applicable.

**Initial boiling point and boiling range** Not applicable.

**Flash point** Not applicable.

**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** | Not available. |
| **Solubility(ies)** | |
| **Solubility (water)** | Not available. |
| **Partition coefficient (n-octanol/water)** | No data available. |
| **Auto-ignition temperature** | 770 °F (410 °C) |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not applicable. |
| **Other information** | |
| **Percent volatile** | 2 - 10 % |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| **Chemical stability** | Stable under the prescribed storage conditions. |
| **Possibility of hazardous reactions** | Hazardous polymerization will not occur. |
| **Conditions to avoid** | Elevated temperatures. Protect against direct sunlight. |
| **Incompatible materials** | Strong oxidizing agents. |
| **Hazardous decomposition products** | At elevated temperatures: Formaldehyde. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Not relevant at normal room temperatures. When heated, harmful vapors may be formed. |
| **Skin contact** | No adverse effects due to skin contact are expected. May cause skin sensitization in hypersensitive individuals. |
| **Eye contact** | Direct contact with eyes may cause temporary irritation. |
| **Ingestion** | No harmful effects expected in amounts likely to be ingested by accident. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Direct contact with eyes may cause temporary irritation. |

**Information on toxicological effects**

| | |
|---|---|
| **Acute toxicity** | No adverse effects are expected. |
| **Skin corrosion/irritation** | Not assigned. |
| **Serious eye damage/eye irritation** | Direct contact with eyes may cause temporary irritation. |
| **Respiratory or skin sensitization** | |
| **Respiratory sensitization** | Not assigned. |
| **Skin sensitization** | Not assigned. This material has a low potential to cause allergic skin reactions; however, cases of human skin sensitization have been reported. |
| **Germ cell mutagenicity** | Not assigned. |
| **Carcinogenicity** | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**NTP Report on Carcinogens**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

| | |
|---|---|
| **Reproductive toxicity** | Not assigned. |
| **Specific target organ toxicity - single exposure** | Not assigned. |
| **Specific target organ toxicity - repeated exposure** | Not assigned. |
| **Aspiration hazard** | Due to the physical form of the product it is not an aspiration hazard. |

| | |
|---|---|
| **Further information** | The product contains a small impurity of formaldehyde: Formaldehyde is a known skin and respiratory sensitizer. |

## 12. Ecological information

| | |
|---|---|
| **Ecotoxicity** | Not expected to be harmful to aquatic organisms. |
| **Persistence and degradability** | No data available. |
| **Bioaccumulative potential** | Not available. |
| **Mobility in soil** | Not available. |
| **Other adverse effects** | Not available. |

## 13. Disposal considerations

| | |
|---|---|
| **Disposal instructions** | Do not discharge into drains, water courses or onto the ground. |
| **Local disposal regulations** | Dispose in accordance with all applicable regulations. |
| **Hazardous waste code** | When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261. |
| **Waste from residues / unused products** | Recover and recycle, if practical. |
| **Contaminated packaging** | Not applicable. |

## 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 available. |

## 15. Regulatory information

**US federal regulations** This product is not hazardous according to OSHA 29CFR 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 listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

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

| | |
|---|---|
| **Hazard categories** | Immediate Hazard - No<br>Delayed Hazard - No<br>Fire Hazard - No<br>Pressure Hazard - No<br>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** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**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.

**US. California Proposition 65**

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Formaldehyde (CAS 50-00-0)
Methanol (CAS 67-56-1)

**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) | Yes |
| 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 |
| 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** 22-September-2015

**Revision date** -

**Version #** 01

**Further information** The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

**HMIS® ratings** Health: 1
Flammability: 1
Physical hazard: 0

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