

## SAFETY DATA SHEET

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's name and address:



ARDEX L.P.  
400 Ardex Park Dr.  
Aliquippa, PA 15001 USA

Information Telephone No. : (724) 203-5000  
Website Address : <http://www.ardexamericas.com>  
24 Hr Emergency Telephone # : CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)  
Product Identifier : **ARDEX TLT 700 Single component elastomeric hybrid**  
Product ID No. : 40940011  
Trade Name/Synonyms : TLT 700  
Material Use : Single component elastomeric hybrid.  
Uses Advised Against : Use only as recommended in the product's Technical Data Sheet.

### SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification per 29 CFR 1910.1200 (OSHA HCS 2012) and HPR (WHMIS 2015)

Serious Eye Damage/Irritation, Category 2A.  
Skin Sensitization, Category 1  
Reproductive Toxicity, Category 1

GHS Pictograms



Signal Word

Danger

Hazard Statements

Causes serious eye irritation.  
May cause an allergic skin reaction.  
May damage fertility or the unborn child.

Precautionary Statements

Obtain special instructions before use. (See Section 7.) Do not handle until all safety precautions have been read and understood. Avoid breathing dust/vapors. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wash contaminated clothing before reuse. Store locked up. Dispose of contents / container in accordance with federal, state, and local laws. Do not allow product to enter drains.

During normal usage of the product as recommended, airborne dusts will not be present. See Section 7 (Handling and Storage) for further details.

Hazards Not Otherwise Classified

Contact with moisture generates methanol.

**% With Unknown Acute Toxicity** : 5% by weight of this product consists of ingredients with unknown acute toxicity.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (by weight)
Limestone	1317-65-3	50 - 75
Diisodecyl phthalate	68515-49-1	10 - 30
Stearic Acid	57-11-4	5 - 10
Titanium dioxide	13463-67-7	5 - 10
Aminoalkoxysilane	1760-24-3	1 - 5
Trimethoxyvinylsilane	2768-02-7	0.1 - 1
Crystalline silica, quartz	14808-60-7	0.1 - 1
2-(2H-benzotriazol-2yl)-4,6-di-tert-pentylphénol	25973-55-1	0.1 - 1
Methanol	67-56-1	0.1 - 1

The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets.

### SECTION 4 – FIRST AID MEASURES

- General** : Call a Poison Center or doctor if you feel unwell.
- Inhalation** : Remove person to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: call a doctor/physician.
- Skin contact** : Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention immediately.
- Ingestion** : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
- Notes for Physician** : Treat symptomatically.

#### Signs and symptoms of short-term (acute) exposure

- Inhalation* : May cause minor, temporary irritation to respiratory tract. Symptoms may include coughing.
- Skin* : May cause mild skin irritation. Symptoms may include redness and itching.
- Eyes* : Causes serious irritation to eyes. Symptoms may include redness, itching, blurred vision or pain.
- Ingestion* : Symptoms such as gastric pain, nausea, vomiting, and diarrhea may occur.

#### Effects of long-term (chronic) exposure

- : Prolonged exposure to the skin may cause an allergic reaction in some individuals.

#### Indication of need for immediate medical attention or special treatment

- : Difficulty breathing persists after removing the person to fresh air.  
Any exposure to the eye which causes irritation.  
Ingestion.

### SECTION 5 – FIRE FIGHTING MEASURES

- Suitable extinguishing media** : Carbon dioxide, dry chemical powder, appropriate foam or water fog.
- Unsuitable extinguishing media** : Water jet may spread the fire.
- Hazardous combustion products** : Carbon monoxide, carbon dioxide, nitrogen oxides, and other toxic vapors and gases that are common to thermal degradation of organic compounds.
- Special fire-fighting procedures/equipment** : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment

exposed to heat and flame. After fires have been extinguished, carefully clean all equipment and surfaces exposed to fumes.

**Environmental precautions** : Do not allow material to enter drains or contaminate ground water system.

**Fire hazards/conditions of flammability**

: Not flammable under normal conditions of use. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

**Flammability classification (OSHA 29 CFR 1910.1200, WHMIS 2015)**

: Not flammable

**NFPA Rating**

: 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe

*Health 2 Flammability 1 Instability 0 Special Hazards: None*

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Wear chemically resistant personal protective equipment during clean-up. Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear the appropriate chemically protective equipment.

**Protective equipment** : Refer to Section 8 for additional information on acceptable personal protective equipment.

**Emergency Procedures** : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002). For smaller spills or spills outside of the U.S., call the emergency number listed in Section 1.

US CERCLA Reportable Quantity (RQ): Methanol: 5000 lbs. (2270 kg)  
CERCLA Reportable Quantity of this product is > 500,000 lbs. (> 227,000 kg).

**Methods and materials for containment and cleaning up**

: Ventilate area of release. Stop spill or leak at source if safely possible. Contain product with inert absorbent material, preventing it from entering sewer lines or waterways. Gather up spilled material and contaminated absorbent material, and place in suitable container for later disposal (see Section 13). Residual of product, while still wet, can be cleaned up with warm soapy water. Spilled material may create a slip hazard. Notify the appropriate authorities as required.

**Prohibited materials** : None.

**Environmental precautions** : Do not allow product to enter drains or waterways. Do not allow material to contaminate ground water system.

**Reference to other sections** : See Section 13 for disposal information.

## SECTION 7 – HANDLING AND STORAGE

**Safe handling procedures** : Observe good hygiene standards. Use only with adequate ventilation. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not get in eyes, on skin, or on clothing. Avoid repeated or prolonged skin contact. Avoid breathing vapors or mists of this product. Sanding and grinding dusts may be harmful if inhaled. When removing this product from existing flooring (i.e. during a renovation), wear safety goggles and respiratory protection from dust due to grinding, sanding, or mechanically pulverizing. Wear protective clothing to prevent skin contact. Promptly remove any clothing that becomes contaminated. Contaminated work clothing must not be allowed out of the workplace. Clean contaminated clothing before reuse. Keep container tightly closed.

**Storage requirements** : Store in a cool, dry, well-ventilated area. Store away from heat and open flame. Avoid storing in direct sunlight. Store locked up. Keep from freezing. Store in original container. Keep tightly closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

**Incompatible materials** : See Section 10.

**Special packaging materials** : Always keep in containers made of the same materials as the supply container.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Permissible Exposure Limits** : No exposure limits have been established for the product itself. Below are exposure limits for the components in the product.

Ingredients	CAS #	ACGIH TLV		OSHA PEL	
		TWA	STEL	PEL	STEL
Limestone	1317-65-3	N/Av	N/Av	15 mg/m <sup>3</sup> (total dust); 5 mg/m <sup>3</sup> (respirable)	15 mg/m <sup>3</sup> (total dust); 5 mg/m <sup>3</sup> (respirable)
Diisodecyl phthalate	68515-49-1	N/Av	N/Av	N/Av	5 mg/m <sup>3</sup>
Stearic Acid	57-11-4	10 mg/m <sup>3</sup>	N/Av	N/Av	N/Av
Titanium dioxide	13463-67-7	10 mg/m <sup>3</sup>	N/Av	15 mg/m <sup>3</sup>	N/Av
Aminoalkoxysilane	1760-24-3	N/Av	N/Av	N/Av	N/Av
Trimethoxyvinylsilane	2768-02-7	N/Av	N/Av	N/Av	N/Av
Crystalline silica, quartz	14808-60-7	0.025 mg/m <sup>3</sup> (respirable fraction)	N/Av	0.05 mg/m <sup>3</sup> (respirable) (final rule limit)	N/Av
2-(2H-benzotriazol-2yl)-4,6-di-tert-pentylphénol	25973-55-1	N/Av	N/Av	N/Av	N/Av
Methanol	67-56-1	200 ppm	250 ppm	200 ppm	N/Av

**Engineering Controls** : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

**Personal Protection Equipment**

- Eye / face protection** : Safety glasses or tightly worn goggles must be worn when using this product.
- Skin protection** : Wear chemical resistant protective clothing and impervious gloves. Glove materials such as nitrile rubber or Viton (fluorocarbon rubber) are recommended.
- Body protection** : Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact.
- Respiratory protection** : If work process generates excessive quantities of vapor or dust, or exposures in excess of any PEL, wear an appropriate organic vapor respirator.

**Site safety equipment** : An eyewash station and safety shower should be made available in the immediate working area.

**General hygiene considerations** : Avoid contact with eyes, skin and clothing. Do not breathe vapors/dust. Clean all equipment and clothing at end of each work shift.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

- |   |                           |   |                 |
|---|---------------------------|---|-----------------|
| <b>Physical state</b>                       | : Paste                   | <b>Appearance</b>                             | : White paste   |
| <b>Odor</b>                                 | : Slight                  | <b>Odor threshold</b>                         | : N/Av          |
| <b>pH</b>                                   | : N/Av                    | <b>Specific gravity</b>                       | : 1.66          |
| <b>Boiling point</b>                        | : > 250°C (> 482°F)       | <b>Coefficient of water/oil distribution</b>  | : N/Av          |
| <b>Melting/Freezing point</b>               | : N/Av                    | <b>Solubility in water</b>                    | : Not miscible  |
| <b>Vapor pressure (mm Hg @ 20°C / 68°F)</b> | : < 0.8 mm Hg             | <b>Evaporation rate (n-Butyl acetate = 1)</b> | : N/Av          |
| <b>Vapor density (Air = 1)</b>              | : N/Av                    | <b>Volatiles (% by weight)</b>                | : N/Av          |
| <b>Volatile organic compounds (VOCs)</b>    | : 18 g/L SCAQMD Rule 1168 |   |                 |
| <b>Particle size</b>                        | : N/Av                    | <b>Flammability classification</b>            | : Not flammable |
| <b>Flash point</b>                          | : > 200°C (> 392°F)       | <b>Lower flammable limit (% by vol)</b>       | : Not available |
| <b>Flash point method</b>                   | : ISO 2592                | <b>Upper flammable limit (% by vol)</b>       | : Not available |
| <b>Auto-ignition temperature</b>            | : N/Av                    | <b>Decomposition temperature</b>              | : Not available |
| <b>Viscosity</b>                            | : Not available           | <b>Oxidizing properties</b>                   | : Not available |
- Explosion data: Sensitivity to mechanical impact / static discharge** : Not expected to be sensitive to mechanical impact or static discharge.

**SECTION 10 – REACTIVITY AND STABILITY INFORMATION**

- Reactivity** : Reacts with water (humidity, moisture) to generate Methanol.
- Stability** : Stable under the recommended storage and handling conditions prescribed.
- Hazardous reactions** : Hazardous polymerization does not occur.
- Conditions to avoid** : High temperatures.
- Materials to avoid and incompatibility** : Acids, oxidizing agents, water.
- Hazardous decomposition products** : None known, refer to hazardous combustion products in Section 5.

## SECTION 11 – TOXICOLOGICAL INFORMATION

- Routes of exposure** : *Inhalation*: YES    *Skin Absorption*: NO    *Skin and Eyes*: YES    *Ingestion*: YES
- Symptoms of exposure** : See Section 4.
- Calculated Acute Toxicity Estimates for the Product**
- Inhalation* : > 20 mg/L
- Oral* : > 5000 mg/kg
- Dermal* : > 5000 mg/kg
- Toxicological data** : There are no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

Ingredients	CAS No.	LD50		
		LC50 (4 hr) Inhalation, rat, mg/L	Oral, rat, mg/kg	Dermal, rabbit, mg/kg
Limestone	1317-65-3	N/Av	6450	N/Av
Diisodecyl phthalate	68515-49-1	22 mg/L	64000	> 3160
Stearic Acid	57-11-4	N/Av	> 5000	> 2000
Titanium dioxide	13463-67-7	> 6.82	> 10,000	> 10,000
N-(3-(trimethoxysilyl)-propyl)-ethylenediamine	1760-24-3	1.49 – 2.44	2295	> 2000
Trimethoxyvinylsilane	2768-02-7	16.8 mg/L	7120	3540
Methanol	67-56-1	128.2	1187	17,100
Quartz	14808-60-7	N/Av	> 22,500	N/Av

- Skin corrosion or irritation** : May cause mild irritation to skin.
- Serious eye damage / eye irritation** : Seriously irritating to eyes.
- Respiratory or skin sensitization** : None known.
- Germ cell mutagenicity** : None known.
- Carcinogenic status** : This product contains trace amounts of Crystalline silica. Crystalline silica (respirable size) is classified as carcinogenic by inhalation by IARC (Group 1), ACGIH (Group A2), NTP (Group 1) and OSHA (OSHA Select carcinogen). During normal usage of the product as recommended, airborne dusts will not be present. Titanium dioxide is classified by IARC as Group 2B, possibly carcinogenic to humans. OSHA has classified titanium dioxide is a potential carcinogen to rats. During normal usage of the product as recommended, airborne dusts will not be present. No other components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
- Reproductive toxicity** : This product contains diisodecyl phthalate (DIDP), known to disrupt reproductive development.
- Specific Target Organ Toxicity, Single Exposure** : None known.
- Specific Target Organ Toxicity, Repeated Exposure** : None known.
- Aspiration hazard** : None known.
- Additional information** : Trace amounts of Methanol are evolved when the product is exposed to moisture. At high levels of exposure, Methanol is known to be toxic to humans, and causes Central Nervous System effects as well as visual effects, including blindness. It has been

associated with birth defects in laboratory animals. Evidence suggests that primates (including humans) are more sensitive to Methanol exposure than rats and other rodents. The level of Methanol evolved from this product is much lower than the levels investigated in the studies mentioned above.

## SECTION 12 – ECOLOGICAL INFORMATION

- Environmental effects** : The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.
- Ecotoxicological** : No data is available on the product itself. Information on components is listed below.
- Biodegradability** : No data available.
  - Bioaccumulative potential** : No data available.
  - Mobility in soil** : No data available.
  - PBT and vPvB assessment** : No data available.
  - Other adverse effects** : No data available.

## SECTION 13 – DISPOSAL CONSIDERATION

- Handling for disposal** : Handle waste according to recommendations in Section 7.
- Methods of disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
- Packaging** : Handle contaminated packaging in the same manner as the product.
- RCRA** : For disposal of unused or waste material, check with local, state and federal environmental agencies.

## SECTION 14 – TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
<b>TDG</b>	<b>None</b>	This product is not regulated according to Canadian TDG regulations.	<b>None</b>	<b>None</b>	<b>None</b>
<b>TDG Additional Information</b>	<b>None</b>				
<b>49 CFR/DOT</b>	<b>None</b>	This product is not regulated according to US DOT regulations.	<b>None</b>	<b>None</b>	<b>None</b>
<b>49 CFR/DOT Additional Information</b>	<b>None</b>				

Not regulated by IMDG.

Not regulated by IATA.

Not a Marine Pollutant.

## SECTION 15 – REGULATORY INFORMATION

**Canadian Information:**

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR). This SDS contains all information required by the HPR.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on either the Domestic Substances List (DSL) or the Non- Domestic Substances List (NDSL).

**US Federal Information:**

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): Methanol: 5000 lbs. (2270 kg)

CERCLA Reportable Quantity of this product is > 500,000 lbs. (> 227,000 kg).

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes:  
 Serious Eye Damage/Irritation, Category 2A.  
 Skin Sensitization, Category 1  
 Reproductive Toxicity, Category 1

Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The threshold for this product is 10,000 pounds.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above *de minimus* concentrations.

U.S. State Right To Know Laws

California Proposition 65: See product label for information regarding the Proposition 65 status of this product.

Other State Right to Know Laws:

Ingredients	CAS No.	CA	MA	MN	NJ	NY	PA	RI
Limestone	1317-65-3	No	Yes	No	Yes	No	Yes	Yes
Diisodecyl phthalate	68515-49-1	No	No	Yes	No	No	No	No
Titanium dioxide	13463-67-7	No	Yes	Yes	Yes	No	Yes	Yes
Crystalline silica, quartz	14808-60-7	No	Yes	Yes	Yes	No	Yes	Yes
2-(2H-benzotriazol-2yl)-4,6-di-tert-pentylphénol	25973-55-1	No	No	Yes	No	No	No	No
Methanol	67-56-1	Yes	Yes	No	Yes	Yes	Yes	Yes

## SECTION 16 – OTHER INFORMATION

HMIS Rating : \* - Chronic Hazard 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe  
*Health: 1 Flammability 1 Physical Hazard 0 PPE: Gloves, safety glasses*

**Legend** :

- ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- DOT: Department of Transportation
- DSL: Domestic Substances List
- EPA: Environmental Protection Agency
- GHS: Globally Harmonized System
- HPR: Hazardous Products Regulations
- IARC: International Agency for Research on Cancer
- Inh: Inhalation
- N/Av: Not Available
- N/Ap: Not Applicable
- NIOSH: National Institute of Occupational Safety and Health
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible exposure limit
- RCRA: Resource Conservation and Recovery Act
- SARA: Superfund Amendments and Reauthorization Act
- STEL: Short Term Exposure Limit
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- TLV: Threshold Limit Values
- TSCA: Toxic Substance Control Act
- TWA: Time Weighted Average
- WHMIS: Workplace Hazardous Materials Identification System

### Disclaimer of Liability

The Information presented herein is supplied as a guide to those who handle or use this product and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive. The manner and conditions of use and handling

may involve other and additional considerations. Safe work practices must be employed when working with any materials. It is important that the end user determines the adequacy of the safety procedures employed during the use of this product. No warranty of any kind is given or implied. ARDEX L.P. will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein.

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