

**TOOLWRIGHT 3****1 - IDENTIFICATION OF THE PREPARATION AND THE COMPANY/BUSINESS****Identification of the substance or preparation**Name of product: **TOOLWRIGHT 3****Use of the substance / preparation**

Article: Pressure sensitive tape

**Company / undertaking identification**

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**2 - IDENTIFICATION OF HAZARDS****Classification:** Article. According to EC directives or the corresponding national regulations there is no labeling obligation for this product.**Critical hazards:** Prolonged or repeated contact with the adhesive may cause skin irritation. At elevated processing temperatures or if involved in a fire, the fluoropolymer starts to degrade and emit vapors which may represent a hazard when inhaled. Eye, nose, throat and lung irritation can occur from such vapors.**3 – COMPOSITION/INFORMATION ON INGREDIENTS****Product class:** Tetrafluoroethylene-Ethylene Copolymer tape with silicone adhesive.

Ingredient description	CAS #	Weight (%)
ETFE resin	68258-85-5	60 – 80
Trimethylated silica treated with dimethyl siloxane	68440-70-0	20 - 40

**4 - FIRST AID MEASURES****Skin contact:** Generally does not cause skin irritation. In case of skin irritation, seek medical treatment.**Inhalation:** Not a probable route of exposure. In case of accidental inhalation of fumes from overheating or when involved in a fire, move to fresh air. Consult a physician after significant exposure.**Eye contact:** Not a probable route of exposure.**Ingestion:** Not a probable route of exposure.**5 - FIRE-FIGHTING MEASURES****Suitable extinguishing media:** Water fog, carbon dioxide, foam, dry chemical. Use water spray to cool fire exposed surfaces.**Extinguishing media which must not be used for safety reasons:** High power water jet.**Special exposure hazards arising from the substance or preparation itself, combustion products:** Will only burn in an oxygen-enriched atmosphere with an ignition source present.**Special protective equipment:** In the event of fire, wear a self-contained breathing apparatus and complete personal protective equipment.

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**6 – ACCIDENTAL RELEASE MEASURES**

**Environmental precautions:** Do not allow to enter ground water, sewage or drains.

**Cleaning methods:** This material is a solid, it will not spill. Collect the product and store into containers for disposal.

**7 - HANDLING AND STORAGE**

**Handling:** This product, when used under reasonable conditions or in accordance with Airtech recommendations, should not present a health and safety hazard.

**Storage:** Store in a cool, dry place at 20-25°C.

**8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Exposure controls:** see information in chapter 7, section storage. Overall room ventilation and/or local exhaust is recommended when the product is heated.

**Occupational exposure controls:**

Respiratory protection: None required under normal conditions of use. In case of heating above 230°C, use an approved respirator.

Skin protection: None required.

Eye protection: Not a probable route of exposure. Use safety glasses according to EN 166 as a good general safety practice.

Hygiene measures: Wash hands before handling food and at the end of work. Smokers should avoid contamination of tobacco products

**9 - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Light yellow film tape
Odor:	None
pH:	Not applicable
Solubility in water:	Insoluble.
Boiling point:	Not applicable
Melting point:	250- 270°C
Flash point:	Not applicable
Specific gravity:	1.6 – 1.9

**10 - STABILITY AND REACTIVITY**

**Conditions to avoid:** Heating above 230°C without adequate ventilation or respiratory protection.

**Materials to avoid:** Reacts with molten alkali metals and finely divided magnesium and aluminium at temperatures above 425°C.

**Hazardous decomposition products:** Thermal decomposition of this product at temperatures above 230°C will generate toxic gases (hydrogen fluoride and perfluoro-olefins).

**Additional information:** Product is stable under normal handling and storage conditions.

**11 - TOXICOLOGICAL INFORMATION**

**After inhalation:** Inhalation of fumes from heating over 230°C may cause polymer fume fever. This presents flu-like symptoms which may include chills and fever. Symptoms may not appear for several hours after exposure and normally disappear within 24 hours.

**After skin contact:** Frequently or prolonged contact with skin may cause dermal irritation.

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### 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:**

Water hazard class: 1 = mild water pollutant

**Persistence and degradability:**

Product is not biodegradable.

The insoluble part can be disposed of mechanically in suitable waste water cleaning plants.

**Additional ecological information:**

Do not allow to enter ground water, sewage or drains.

### 13 - DISPOSAL CONSIDERATIONS

**European waste key number:** 070217 = Wastes from the manufacture, formulation, supply and use of plastics, synthetic rubber and man-made fibres containing silicones other than those mentioned in 070216.

**Disposal recommendations:** Where possible, recycling is preferred to landfill or incineration. Disposal must be done in compliance with local, state and federal regulations.

**Contaminated packaging:** Waste key number 150101 – Paper and cardboard packaging.  
Waste key number 150102 – Plastic packaging.

### 14 - TRANSPORT INFORMATION

Not classified as hazardous under transport regulations (ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport).

### 15 - REGULATORY INFORMATION

**Classification:**

Code letter and hazard symbol: not applicable.

R phrase (s): not applicable.

S phrase (s): not applicable.

**National regulations – EC member states:**

Volatile organic compounds (VOC): 0% by weight.

### 16 - OTHER INFORMATION

This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

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