



# Safety Data Sheet

Issued: May 1, 2015

Revised: February 16, 2016

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## Airwolf 3D PETG 3D Printer Filament

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### SECTION 1, IDENTIFICATION

<b>Product Part Number:</b>	F14501, F14505, F14504, F14502, F14508
<b>Manufacturer:</b>	Wolf & Associates, Inc. DBA Airwolf 3D
<b>Address:</b>	11208 Young River Avenue, Fountain Valley, CA 92708
<b>Phone Number:</b>	+1 949-478-2933
<b>Recommended Use:</b>	3D printing
<b>Restrictions on Use:</b>	Intended for use with 3D printers.

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### SECTION 2, HAZARD IDENTIFICATION

<b>Emergency Overview:</b>	PETG filament with slight or no odor. Spilled filaments create slipping hazard. Can burn in a fire creating dense toxic smoke. Molten plastic can cause severe thermal burns. Fume produced during melt processing may cause eye, skin and respiratory tract irritation. Secondary operations, such as grinding, sanding or sawing, can produce dust which may present a respiratory hazard. Product in filament form is unlikely to cause irritation.
<b>Melt Processing Health Effects:</b>	Molten plastic can cause severe burns. Processing fumes may cause irritation to the eyes, skin and respiratory tract, and in cases of severe overexposure, nausea and headache.
<b>Medical Restrictions:</b>	There are no known human health effects aggravated by exposure to this product. However, certain sensitive individuals and individuals with respiratory impairments may be affected by exposure to components in the processing fumes.

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### SECTION 3, COMPOSITION/INFORMATION ON INGREDIENTS

%	Materials	CAS Number
>80%	PET(Polyethylene Terephthalate)	25038-59-9
<12%	Toughener/Impact modifiers(Rubber)	25053-09-2
<5%	Compatibilizer, lubricators, colorants, and stabilizers	Non-regulated
<4%	Titanium Dioxide(TiO2)	13463-67-7
<2%	Carbon Black	1333-86-4

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### SECTION 4, FIRST-AID MEASURES

<b>Ingestion:</b>	No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician if necessary.
<b>Inhalation:</b>	No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary. If exposed to fumes from overheating or combustion, moved to fresh air. Consult a physician if symptoms persist.
<b>Skin:</b>	The compound is not likely to be hazardous by skin contact, but cleaning the skin after use is advisable. If molten polymer gets on skin, cool rapidly with cold water. Do not attempt to peel polymer from skin.  Obtain medical treatment for thermal burn.
<b>Eyes:</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.

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### SECTION 5, FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	All types of fire extinguishing media, including water.
<b>Special Fire-Fighting Procedure:</b>	Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.

## SECTION 6, ACCIDENTAL RELEASE MEASURES

Methods for Cleaning Up:	Treat the contaminated materials and wastes in accordance with the relevant laws and regulations. Sweep up and shovel into suitable containers for disposal.
Personal Precautions:	Wear appropriate protective equipment (gloves, protective mask, apron, goggles, etc.). Collect the residual filament on the floor frequently because strings and small pieces can make floor slippery.
Environmental Precautions:	Do not flush into surface water or sanitary sewer system. Material should not be released into the environment.

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## SECTION 7, HANDLING AND STORAGE

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety practices. Provide for appropriate exhaust ventilation and dust collection at machinery. Avoid dust formation. All metal parts of the mixing and processing equipment must be earthed.
<b>Storage:</b>	Store in a cool, dry place. Keep containers tightly closed to prevent moisture absorption and contamination.

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## SECTION 8, EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Personal Protection Eye:</b>	Wear safety glasses or chemical goggles for general purpose.
<b>Respiratory:</b>	Wear masks as needed
<b>Gloves:</b>	Necessary for handling melted material.
<b>Skin and Body Protection</b>	Wear clothing to avoid direct exposure of skin to molten resin when handling.

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## SECTION 9, PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	String/strand
<b>Color:</b>	Black, White, Blue, Red, Green, Orange, Yellow, Silver
<b>Odor:</b>	None or slight
<b>Autoignition Temperature:</b>	388°C (Estimation)
<b>Melting Temperature:</b>	230°C to 255°C
<b>Solubility:</b>	Insoluble in water
<b>% Volatiles:</b>	Not Determined

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## SECTION 10, STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Will not occur.
<b>Conditions To Avoid:</b>	Exposure to open flame or temperatures >570°F for prolonged period of time.
<b>Incompatibilities:</b>	Other Materials.
<b>Hazardous Decomposition:</b>	Hazardous gasses or vapors can be released, including cyclopentanone, carbon monoxide, aldehydes, ammonia.

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## SECTION 11, ECOLOGICAL INFORMATION

<b>Aquatic Toxicity:</b>	No Information is available. Toxicity is expected to be low based on insolubility in water.
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## SECTION 12, DISPOSAL CONSIDERATIONS

Preferred options for disposal are (1) Recycling, (2) Incineration with energy recovery, and (3) Landfill. The high fuel value of this product makes option 2 very desirable for material that cannot be recycled, but incinerator must be capable of scrubbing out acidic combustion products. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

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## SECTION 13, TRANSPORT INFORMATION

Not classified as a dangerous good under transport regulations. Follow all regulations in your country.

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**SECTION 14, REGULATORY INFORMATION**

Follow all regulations in applicable country, state, or region.

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**SECTION 16, OTHER INFORMATION**

**Product Name:** Airwolf 3D PETG Premium 3D Printer Filament

**Disclaimer:** SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

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