



Safety Data Sheet

Issued: January 1, 2015

Revised: June 20, 2018

Airwolf 3D Platinum Series ABS Filament

SECTION 1, IDENTIFICATION

Product Part Number: F06001, F06017, F06006, F06009, F06005, F06003, F06013, F06004, F06002, F06007, F06008, F22701, F22705, F22707, F22802, F22903, F23004

Manufacturer: Wolf & Associates, Inc. DBA Airwolf 3D

Address: 11208 Young River Avenue, Fountain Valley, CA 92708

Phone Number: +1 949-478-2933

Recommended Use: 3D printing

Restrictions on Use: Intended for use with 3D printers.

SECTION 2, HAZARD IDENTIFICATION

Most Important Hazards: None

Adverse Human Health Effects: None

Environmental Effects: None

Physical and Chemical: None

SECTION 3, COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Preparation: Substance

Chemical Name: Acrylonitrile-Butadiene-Styrene Copolymer

Content: > 98% (Additives less than or equal to 2%)

Formula (C₃H₃N, C₄H₆, C₈H₈)_x

CAS No: 9003-56-9

Impurities Contributing to Hazard: None

SECTION 4, HAZARD IDENTIFICATION



No hazardous ingredients known to company.

SECTION 5, FIRST-AID MEASURES

Ingestion:	Induce vomiting. Rinse mouth with water. Seek medical advice if necessary.
Inhalation:	In case of gases evolving from melted filament, move subject to fresh air. Treat symptomatically.
Skin:	Wash with water. In case of melted filament, wash affected skin area and clothing with plenty of soap and water. Seek medical advice.
Eyes:	In case of small particles, flush with plenty of water for at least 15 minutes. Seek medical advice if any small particles still remain. In case of gases evolving from melted filament of high temperature, flush with plenty of water for at least 15 minutes. See medical advice if necessary

SECTION 6, FIRE-FIGHTING MEASURES

Extinguishing Media:	Water, foam, dry chemical powder
Special Fire-Fighting Procedure:	Self-contained breathing apparatus
Fire and Explosion Hazards:	None

SECTION 7, ACCIDENTAL RELEASE MEASURES

Methods for Cleaning Up:	Recovery if not contaminated or disposal.
Personal Precautions:	Strands/string remaining on ground may cause slipping.
Environmental Precautions:	Gather small particles thoroughly to avoid birds or fish taking from draining water.

SECTION 8, HANDLING AND STORAGE

Handling:	Prevent fire around handling area. Maintain good housekeeping standards to prevent accumulation of dust..
Storage:	Keep the materials in a cool dry place. Protect from direct sunlight, rain, and violent temperature fluctuation

SECTION 9, EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold Limit Value:	Not determined
Ventilation:	Necessary for fumes and gases when melting.
Personal Protection Eye:	Wear safety glasses or chemical goggles for general purpose.
Respiratory:	Wear masks as needed
Gloves:	Necessary for handling melted material.

SECTION 10, PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	String/strand
Color:	Varies
Melting Temperature:	Softening about 100C
Solubility:	Insoluble in water
Specific Gravity:	1.03 ~ 1.10

SECTION 11, STABILITY AND REACTIVITY

Flammability:	Yes
Flash Point:	404C
Auto-Ignition Temperature:	466C
Reactivity With Water:	No
Stability:	Stable and non-reactive under normal handling and storage conditions.
Dust Explosion:	Possible if powder exists.
Explosion Data for Powder	(<145 mesh)
Lower Explosion Limit:	45 g/m ³
Minimum Ignition Energy:	3.6mJ
Maximum Explosion Pressure:	7 x 10 ⁵ Pa
Maximum Pressure Increase Rate:	3.2 x 10 ⁷ Pa/S
Thermal Decomposition Gases:	CO, HCN, AN, SM, and NO
Combustion Energy:	3.53 x 10 ⁷ J/kg (8424 Kcal/kg)

SECTION 12, TOXICOLOGICAL INFORMATION

Irritation:	Fumes or vapors generated from melting or decomposing filament may irritate eyes.
Acute Oral Toxicity (LD50):	Not determined.
Mutagenicity:	Not determined

SECTION 13, ECOLOGICAL INFORMATION

To avoid being taken by ocean species or birds, disposal of the waste to the ocean and water sources is inhibited.

SECTION 14, DISPOSAL CONSIDERATIONS

Controlled incineration or landfill according to local, state, or national laws and regulations concerning health and pollution. Inadequate incineration may generate toxic gases, such as CO, HCN, AN, and SM.

SECTION 15, TRANSPORT INFORMATION

Not classified as a dangerous good under transport regulations.

SECTION 16, REGULATORY INFORMATION

Not available.

SECTION 17, OTHER INFORMATION**Product Name:**

ABS 3D Platinum Series 3D Printer Filament

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