



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product Name: ECO-ABS Black Filament

Catalog Number: DF45-ECO-B

Date of issue: May 17, 2017

Manufacturer/Distributor:

Robert Bosch Tool Corporation
1800 W. Central Road
Mt. Prospect, IL 60056

For More Information Call:

(Monday-Friday, 8:00 AM– 5:00 PM CST)
Bosch Customer Service
(877) 267-2499

In Case Of Emergency Call:

(24 Hours/Day, 7 Days/Week)
(877) 303-0891

SECTION 2: HAZARDS IDENTIFICATION

Adverse Human Health Effects

None

Environmental Effects

None

Physical and Chemical Hazards

None

Special Hazards

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature Impact modified PLA for 3D printing

CAS Number 9051-89-2

Additional Information No harmful substances used.

SECTION 4: FIRST AID MEASURES

Inhalation

In case of gases evolving from molten resin, bring the affected person to fresh air. Call a physician immediately in case of discomfort.

Skin Contact

In case of contact with molten material, immediately wash the skin with plenty of cold water. See a physician for removal of adhering material.

Eye Contact

If molten material contacts the eye, rinse immediately with plenty of water for at least 15 minutes. Call a physician immediately.

Ingestion

Induce vomiting with medical advice. Rinse mouth with water. Seek medical advice if discomfort occurs.



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SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Water, Foam, Dry chemical powder

Fire and Explosion Hazards

None

Special Fire-Fighting Procedure

Minimize dust generation and accumulation

Special Protective Equipment

Wear self-contained breathing apparatus and full protective clothing

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear appropriate personal protective equipment.

Environmental Precautions

Prevent entry into surface water or drainage systems.

Methods for Cleaning up

Sweep up and shovel into suitable containers for disposal.

SECTION 7: HANDLING AND STORAGE

Handling

Avoid contact with molten material. Use personal protective equipment.

Storage

Keep cool. Protect from water, moisture and direct sunlight. Avoid all sources of ignition.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls

Provide appropriate exhaust ventilation at places where dust is formed.

Personal Protective Equipment

Skin Protection: Wear protective clothing, when handling hot molten product.

Hand Protection: Wear protective gloves, when handling hot molten product.

Eye Protection: Wear protective glasses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Monofilament

Density: 1.25g/cm³

Melting Point: 165°C-180°C

Solubility: Insoluble in water

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended storage conditions.

Reactivity

None expected under conditions of normal use.



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SECTION 11: TOXICOLOGICAL INFORMATION

Irritation Fumes generated from decomposing resin may be irritant to eyes.

SECTION 12: ECOLOGICAL INFORMATION

Persistence and degradability: Product is biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

Not regulated

SECTION 15: REGULATORY INFORMATION

Not available

SECTION 16: OTHER INFORMATION

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