

Material safety data sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY /UNDERTAKING

Product Label Name

Nylon Monofilament (BORDER LINE™)

Distributor:

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AUSTRALIA

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Product Application – Various applications

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight (%)	CAS Number
Nylon 6/66	Approx 95	24993-04-02
Caprolactum	< 3	105-60-2
N, N'Ethylene Bisstearamide	<0.3	110-30-5
UV stabilizer <1%		

White Monofilament yarn contains < 0.8 % of Titanium Dioxide.

Black monofilament yarn contains < 0.40 % of carbon black.

3. HAZARDS IDENTIFICATION

Not classified as hazardous according to the EEC dangerous substance directive and dangerous preparation directive.

EMERGENCY OVERVIEW: Synthetic monofilament yarn with no significant odor.

Yarn is not considered hazardous at ambient conditions.

Exposure to fire will release irritating toxic fumes and vapors.



Potential Health Effects:

Eyes: Product fines may cause mechanical irritation; eyes should be washed out immediately with water

Skin: Mechanical irritation may occur from particles

Inhalation: Dust may produce mechanical irritation to mucous membranes. Move to fresh air. Get medical attention if symptoms persist

Ingestion: May cause gastrointestinal discomfort

4. FIRST AID MEASURES

Symptoms and Effects

No typical symptoms and effects known

First aid

Eyes: If irritated, flush with plenty of water; seek medical attention if condition persists

Skin: Not likely to be hazardous; for irritation, flush with cool running water

Inhalation: Remove to fresh air; seek medical attention if condition persists

Ingestion: If product is ingested, seek medical attention

Advice to physician: There are no known chronic effects associated with this material.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point	Not determined
Flash point method	Not applicable
Auto-ignition Temperature	Not determined
Upper Flame Limit(Volume % in air)	Not applicable
Lower Flame Limit(Volume % in air)	Not applicable
Flame propagation rate (solids)	Not applicable
OSHA Flammability class	Not applicable; Solid material
Extinguishing media	Use any standard agent(water, Spray, dry chemical, foam or carbon dioxide)

Fire fighters should wear self-contained breathing apparatus (SCBA).



6.ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE (always wear recommended personal protective equipment): Sweep or vacuum material and place in container for proper disposal.

No special precautionary measures should be needed under anticipated conditions of use.

7. HANDLING AND STORAGE

Normal Handling (Always wear recommended personal protective equipment): Avoid processing material above recommended thermal processing temperature. Read product technical data sheet before use, or contact technical service representative for specific advice. Avoid inhalation and/or skin contact with product dust. Avoid dust in contact with eyes. Use local exhaust ventilation at all emission points. Wash thoroughly after handling.

8.EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Good manufacturing practice and good industrial hygiene practice recommend the use of local exhaust ventilation at process emission points.

Personal Protective Equipment:

Skin Protection: Wear gloves when handling fiber. Wash hands after use.

Eye Protection: Wear safety glasses with side shields as a minimum.

Respiratory Protection: If dusty conditions exist, use a mechanical filter respiratory approved by NIOSH.

Additional recommendations:

Exposure Guidelines: Operators performing grinding and machining of product should be reviewed to assure particulate levels are kept below recommended standards.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Filament
Physical State	Solid
Odor	Possible slight organic odor
Specific Gravity	1.13 - 1.15 (H2O = 1)
Solubility in Water	Negligible
PH	Not Applicable
Boiling Point	Not Applicable
Melting Point	185-220 DegC
Vapor Pressure	Negligible
Evaporation Rate	Not Applicable
% Volatile	Not applicable
Flash Point	Not Applicable
Color	Clear to white

10. STABILITY AND REACTIVITY

Normally Stable (Conditions to Avoid): Product is stable under ordinary conditions of use and storage. Avoid exposure to open flame or temperatures exceeding optimum operating temperatures. Consult technical service personnel for recommended processing conditions.

Incompatibilities: None known

Hazardous Decomposition Products: Thermal breakdown may involve a complex mixture of compounds including, but not limited to: Carbon monoxide, ammonia, aliphatic amines, amides, nitriles, ketones, and hydrogen cyanide which may be flammable, toxic, and/or irritating. The specific materials generated will depend on any additives and colorants used.

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Immediate (Acute) Effects: Low hazard for usual industrial handling
 Delayed (Sub chronic and chronic) Effects: No specific information available
 Other Data: Not listed as a carcinogen

12. ECOLOGICAL INFORMATION

No ecotoxicological information is available for this product. These products are not considered degradable or toxic in terms of their physical impact. Material is expected to have low aquatic toxicity because of its insolubility in water.



13. DISPOSAL CONSIDERATIONS

Is the unused product a RCRA hazardous waste if discarded? No

If yes, the RCRA ID number: Not Applicable

Other Disposal considerations: Preferred options for disposal are recycle, incineration with energy recovery and landfill. Treatment, storage, transportation, and disposal of product must comply with applicable federal, state, and local disposal laws or regulations.

14. TRANSPORTATION INFORMATION

Land Transport: Not classified as dangerous in any mode of transport

Sea transport: Not classified as dangerous in any mode of transport

Air transport: Not classified as dangerous in any mode of transport

15. REGULATORY INFORMATION

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

TOXIC SUBSTANCES CONTROL ACT (TSCA):

TSCA INVENTORY STATUS: All components are listed on the TSCA Inventory or are exempt under PMN regulations.

OTHER TSCA ISSUES: None

SARA TITLE III/CERCLA;

SARA/CERCLA HAZARDOUS SUBSTANCES:

Reportable Quantities (RQ) and/or "Threshold Planning Quantities (TPQs) do not exist for this product.

16. OTHER INFORMATION

Disclaimer: This product is NOT intended for use in medical implants. The information contained herein is presented in good faith and is accurate to the best of our knowledge. Amacron Solutions cannot guarantee that any hazards listed herein are the only ones, which may exist. Amacron Solutions makes no warranty of any kind, expressed or implied, concerning the safe use of this material in your process or in combination with other substances. User has the sole responsibility to determine the suitability of the material for their use. User must meet all applicable safety and health standards.

DATE OF ISSUE: 02/01/2017.

MSDS No: RM 06

