

SAFETY DATA SHEET

Polypropylene (PP) TWINE

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

1.1. Information of Substance / Mixture :

Trade Name: Polypropylene (PP) TWINE

1.2. Relevant Identified Uses of the Mixture and Uses Advised Against

In the greenhouses, these threads can be used as hanger wires for the fastening of the vertically suspended threads.

1.3. Suppliers of Safety Data Sheet Information :

1.3. Manufacturer / Importer / Supplier:

1.3.1. Manufacturer:

Plant Name: ANSA AMBALAJ SANAYI VE TICARET A.Ş.
Address: K rk n Mah.  kkeş Yiđit Bulvarı Ođuzeli OSB No: 11
Telephone: +90 3424771630
Fax: +90 3424771639
E-mail: info@ansaambalaj.com
Web: www.ansaambalaj.com

1.4. Emergency Contact Information:

Emergency Desk: +90 3424771630
Emergency First Aid Center: 112
Poison Information Center: 114 (UZEM)
Fire: 110

2. HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture:

It has been classified in accordance with existing local regulations of EU and Turkey.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances:

Not related.

3.2. Mixtures:

IUPAC Name	CAS Number	Typical Conc. (%w/w)	Classification
Polypropylene Homopolymer	9003-07-0	≥89	Not classified
Polyethylene	9002-88-4	3-7	Not classified
Coloring		0-2	Not classified
UV		0-2	Not classified

4. FIRST AID MEASURES

4.1. Description of First Aid Measures:

General Cautions:	At room temperature the product is neither an irritant nor gives off hazardous vapours. The measures listed below apply to critical situations (Fire, incorrect app conditions).
Following Eye Contact:	Remove contact lenses if any. Incline head to injured eye, open the eyelid(s) widely and flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 10 minutes to remove all particles.
Following Skin Contact:	If you contact with molten material can cause thermal burns, immediately flush with large amounts of cold water to cool the affected skin and polymer. Do not attempt to peel the polymer from skin. Obtain immediately emergency medical attention if burn is deep or extensive.
Following Inhalation:	None anticipated from normal handling of product. Inhalation of high concentrations or thermal decomposition byproducts may cause respiratory irritation.
Following Ingestion:	No adverse health effects are expected if small amounts are swallowed.

4.2. Indication of any Immediate Medical Attention and Special Treatment Needed

When contacting a physician, take this SDS with you.

5. FIRE-FIGHTING MEASURES

5.1. Fire Extinguishers:

All usual extinguishing media may be used

5.2. Special Hazards Arising from the Substance or Mixture:

Depending on temperature and oxygen availability, combustion off-gases may contain variable quantities of toxic substances: carbon monoxide (CO), Carbon Dioxide (CO₂) and Acrolein, which must not be inhaled.

5.3. Advice for Fire-Fighters:

Use autonomous respirators to fight fire indoor or in poorly venti-lated areas.

6. ACCIDENTAL RELEASE MEASURES

Environmental Protection: Not considered as harmful to the environment

Accidental dispersion/spill: Collect material for controlled re-use or waste disposal. No special safety risks or risks to the environment. Refer to section 13 for disposal information.

7. HANDLING AND STORAGE

Handling:	In accordance with good industrial hygiene and safety practices.
Fire precautions:	Remove dust, fly and finish residues by ventilation and vacuum cleaning, especially on heat setting operations. Keep away from ignition sources. Beware of static electricity and discharges.
Storage:	No special safety precautions for storage rooms. Stable under nor-mal storage conditions.
Storage conditions:	Consider technical advises referring to optimal processability.
Packaging:	Plastic bags, cardboard box with cardboard spacers. Plastic stretch wrap.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters:

It does not contain any substances which have exposure limits.

8.2. Exposure Controls:

General:

No special risks to humans and environment if handled in accordance with good industrial hygiene practice and any legal requirements.

Hand protection: After long exposure times spin finish may cause a temporary irritation of skin. Protect hands with suitable protective gloves

Eye protection: Suitable eye protection is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties:

Appearance	Form	Yarns, wound up on suitable spools/cylinders
Melting range	°C	140-165 °C
Color	Red,Orange,White, Black, Green, Yellow,Blue	Color may be used when not in use
Flash point	°C	about 400 °C closed cup
Ignition temperature	°C	about 450 °C
Thermal decomposition	°C	starts at about 300°C
Explosion limits	not explosive	
Density	g/cm ³	0,89-0,91
Vapour pressure	not applicable	
Solubility in water	Yarn products are not water soluble	

NOTE: Specifications above are determined according to the method described in "Hazardous Substances and the Classification, Packaging and Labelling Regulation"-Annex 3(PartA) or other comparable method.

9.2. Other Informations:

Not applicable

10. STABILITY AND REACTIVITY

10.1. Reactivity:

Stable under normal conditions.

10.2. Chemical Stability:

This product is stable under normal use conditions for shock, vibration, pressure or Temperature.
Decomposes at prolonged heating above 300°C.

10.3. Possibility of hazardous reactions:

None under normal storage conditions.

10.4. Conditions to Avoid:

Avoid strong oxidizing agents. Avoid Processing Material over 300°C. Avoid Heat & direct sunlight.

10.5. Incompatible Materials:

None under normal storage conditions.

10.6. Hazardous Polymerisation:

Not likely to occur

10.7. Corrosivity

Product is not corrosive.

11. TOXICOLOGICAL INFORMATION

11.1. Information about the toxic effects:

No literature found where this type of twine articles is described to present a special risk or toxicity. Spin-finish on the twine may cause skin-irritation at long-term contact. In case of special end use, ANSA AMBALAJ may be contacted for additional information. The product is not aseptic.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity

The twine product is not associated with ecological problems, provided that the wastes are orderly dis-posed of. Because of its chemical nature, the product is not ecotoxic and not readily biodegradable. Waste water from proceeding steps should be disposed of in waste water treatment plants according to local regulations.

12.2. Bioaccumulative potential

No data available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Can be disposed of as solid waste or burned in suitable installations, subject to local regulations. Recycling or thermal recycling is recommended for both the product and packaging material.

14. TRANSPORT INFORMATION

Twine is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID); no classification is required.

14.1. UN number

Not relevant.

14.2. UN proper shipping name

Not relevant.

14.3. Transport hazard class(es)

Not relevant.

14.4. Packing group

Not relevant.

14.5. Environmental hazards

Not relevant.

14.6. Special precautions for user

Not relevant.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Can be disposed of as solid waste or burned in suitable installations, subject to local regulations. Recycling or thermal recycling is recommended for both the product and packaging material.

16. OTHER INFORMATION

16.1. Updated:

This SDS first prepared according to the "Hazardous Substances and the Classification, Packaging and Labelling Regulation" (O.G. 13.12.2014 - 29204)

16.2. Abbreviations and acronyms:

ADR/RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

CAS: Chemical abstract service registry number

ECHA: European Chemicals Agency

REACH: Registration, Evaluation and Authorisation of Chemicals

16.3. Key literature references and sources of data:

* This Safety Data Sheet has been prepared based on the information given by the producer.

* Users are responsible for usage and handling of the products in safe situation compatible with available law, legislations and procedures.

* It should be used by people who are aware of the risks and have technical knowledge and skills.

* No warranty is made, expressed or implied for the mentioned product of merchantability or usage out from the factory plant. No responsibility is accepted from the content of this SDS. Preparing of the SDS are based on our best available experience, know how and

* Information on form are given for designed safe handling, use, processing, storage, transportation, destroy and dispose of product.

* These informations, unless stated otherwise, only relevant for related substance. In case of mixture of this substance or in other processes; these informations may be irrelevant. Take informations into consideration while using.

* This Safety Data Sheet describes the product in accordance with appropriate safety regulations, but can not guarantee the security of the product features.

* It does not constitute any guarantee and product specifications does not legally valid contractual relationship established.

* For related local regulations and restrictions while implementing of the statements within this SDS; , see the legislations below

* Regulation on the Safety Data Sheets Relating to Hazardous Substances and Mixtures

* Hazardous Substances and the Classification, Packaging and Labelling Regulation

* Regulations on Prohibition and Restriction of Hazardous Substances and Mixtures

* Regulation on chemicals and inventory control

* All regulations published on Occupational Health and Safety.

* Regulation on working with carcinogenic and mutagenic substance in the Health and Safety Precautions

* Regulation on Working with the Chemicals in the Health and Safety Precautions

* Regulation on the Use of Personal Protective Equipment at Workplaces

16.4. Training Advice:

In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.

16.5. Information about the SDS Preparatory:

Name&Surname : **Duyunç ALKANAT**

Contact Information: **+90 3424771630**

Compliance Certificate Date: **16.03.2018**

Qualification Certificate No: **NBC/01.150.29**