Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name:	WIRATEN TWP-6, TWP-16
Chemical name:	polyethylene
CAS number:	9002-88-4
Registration number:	substance is exempted from obligation of REACH registration by the art. 2

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: industrial use
Uses advised against: not determined

1.3. Details of the supplier of the safety data sheet

Manufacturer:	WIWAX sp. z o.o.
Address:	Długa 3, 09-402 Płock, Poland
Telephone/Fax number:	+ 48 24 264 03 81
E-mail:	mail@wiwax.eu

1.4. Emergency telephone number

112

Section 2: Hazards identification

2.1. Classification of the substance or mixture

The substance is not classified as hazardous for human health and for the environment.

2.2. Label elements

Hazard pictograms and signal words
None.
Hazard statements
None
Precautionary statements
None.

2.3. Other hazards

Substance does not meet criteria for PBT or vPvB classification in accordance with Annex XIII of REACH Regulation. The substance has not been included in the list established in accordance with Article 59 (1) for having endocrine disrupting properties, or as substance identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Section 3: Composition/information on ingredients

3.1. Substances

Polyethylene with molecular weight 600-4000 (n 30-140)
Range of percentages: 100%

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CAS number: 9002-88-4
EC number: -

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: consult a doctor in case of alarming symptoms. Remove contaminated clothing. Wash the exposed parts of the skin thoroughly with water. Consult a doctor if disturbing symptoms appear.

Eye contact: wash out with plenty of water with the eyelid hold wide open, for 10-15 min. Remove any contact lenses. Seek medical advice. Protect non-irritated eye, remove contact lenses.

Ingestion: do not induce vomiting, rinse mouth with water; give plenty of water to drink. Do not give anything by mouth to an unconscious person. Immediately consult a doctor – show the container or label.

Inhalation: remove person to fresh air. Keep warm and calm. Consult a doctor, if feels unwell.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: mechanical irritation, hot, molten substance can cause thermal burns.

Eye contact: redness, tearing, burning, mechanical irritation or irritation after exposure on vapours of processed product.

Ingestion: stomach pain, nausea, vomiting.

Inhalation: mechanical irritation, cough, irritation after exposure for vapours of processed product.

4.3. Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Symptomatic treatment.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: carbon dioxide, dry chemicals, water fog or foam. Adjust fire-fighting measures to the materials burning in the vicinity.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2. Special hazards arising from the substance or mixture

During the fire, the product may produce harmful gases containing, e.g. carbon oxides. Do not inhale combustion products, they can be dangerous for human health.

5.3. Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. In case of fire, cool endangered containers with water spray. Collect used extinguishing media.

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Ensure adequate ventilation. Avoid contamination of eyes and skin with hot, molten product. Wear adequate personal protective equipment.

For emergency responders: ensure that only the trained personnel removes the effects of the accident. Wear appropriate protective clothing resistant to chemicals.

6.2. Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3. Methods and material for containment and cleaning up

Collect mechanically and place the collected product in labeled containers. Treat the collected material as waste. Clean and ventilate the contaminated area.

6.4. Reference to other sections

Appropriate conduct with waste product – section 13.
Personal protective equipment – see section 8.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Ensure adequate ventilation of the area. Avoid contamination of eyes and skin. Before break and after work wash carefully hands. Use in accordance with its intended purpose. Keep the unused containers tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Store only in original, tightly closed containers in a well-ventilated area. Keep away from food, beverages or feed for animals. Avoid direct sunlight. Prevent the formation of electrostatic discharges.

7.3. Specific end use(s)

No information about other uses than those mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit values were established for the substance.
Please check any national occupational exposure limit values in your country.
Basis: Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU.

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8.2. Exposure controls

Appropriate engineering controls

Use the product in accordance with good occupational hygiene and safety practices. When handling, do not eat, drink or smoke. Before break and after work carefully wash hands. Avoid eyes and skin contamination. Ensure general and/or local ventilation in the working area.

Individual protection measures, such as personal protective equipment

The necessity to use and selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged PPE must be replaced immediately.

Hand and body protection

Use protective gloves resistant to the product (EN 374). Wear protective clothing. Material recommended for gloves: fluoronitrile rubber with efficacy level 2 or higher (> 30 min). The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eye/face protection

Use protective glasses, if there is a risk of eye contamination (EN 166).

Respiratory protection

In case of sufficent wentilation is not required.

Thermal hazards

Do not occur.

Environmental exposure control

Do not allow large quantities of product to enter groundwater, sewerage, wastewater or soil.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

physical state:	solid
color:	white
odor:	characteristic
melting/coagulation point:	80-120 ºC (ASTM D127)
boiling point or initial boiling point and boiling range:	not determined
flammability:	substance is not classified as flammable
lower/upper explosive limit:	not determined
flash point:	>180ºC (PN-EN ISO 25912:2008)
auto-ignition temperature:	not determined
decomposition temperature:	not determined
pH:	not determined
kinematic viscosity:	not determined

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solubility:	insoluble in water
vapor pressure:	not determined
partition coefficient: n-octanol/water (log ratio value):	not determined
density or relative density:	0,895-0,942 g/cm^3 (PN-EN ISO 1183-1)
Relative vapour density:	not determined
particle characteristics:	pastilles, granules

9.2. Other information

No data available.

Section 10: Stability and reactivity

10.1. Reactivity

A weakly reactive substance. See also subsections 10.3-10.5.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

Avoid direct sunlight, overheating and high temperature.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Not known.

Section 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on acute and/or delayed effects of exposure has been determined based on information of product classification and/or toxicological studies and the manufacturer's knowledge and experience.

Acute toxicity
Based on available data, the classification criteria are not met.

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Causes serious eye irritation.

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Respiratory or skin sensitization
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure
Based on available data, the classification criteria are not met.

Specific target organ toxicity – repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Information on likely routes of exposure

Routes of exposure: skin contact, eye contact, after inhalation exposure. See subsection 4.2 for more information on the effects of each possible route of exposure.

Symptoms related to physical, chemical and toxicological properties
See subsection 4.2.

Delayed, immediate and chronic effects of short- and long-term exposure
See subsection 4.2.

11.2. Information on other hazards

Endocrine disrupting properties

The substance has not been included in the list established in accordance with Article 59 (1) for having endocrine disrupting properties, or as substance identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Other information:

No data.

Section 12: Ecological information

12.1. Toxicity

The product is not classified as hazardous to the aquatic environment.

12.2. Persistence and degradability

No data.

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12.3. Bioaccumulative potential

No data.

12.4. Mobility in soil

Poor mobility in soil. Product is insoluble in water.

12.5. Results of PBT and vPvB assessment

The substance does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

The substance has not been included in the list established in accordance with Article 59 (1) for having endocrine disrupting properties, or as substance identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

12.7. Other adverse effects

Substance has no influence on global warming and destruction of the ozone layer.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Do not remove with household garbage. Store residues in original containers. Recycle, if possible. Waste code should be given in the place of its formation.

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the local legislation. Only completely empty containers may be recycled.
Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

Section 14: Transport information

14.1. UN number

Product is not classified as dangerous during transport.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

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14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII): Conditions of restriction for the following entries should be considered: Number on list 78: Polymers of ethylene synthetic polymer microparticles (SPM) content: 100 % The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council
ADR Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG Code International Maritime Dangerous Goods Code
IATA Dangerous Goods Regulations
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance) as amended.
Commission Regulation (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.
Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.
Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.
Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.
Commission Directive 2019/1831/EU of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended
94/62/EC European Parliament and Council Directive of 20 December 1994 on packaging and packaging waste, as amended
Regulation (EU) No 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

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15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

Section 16: Other information

Clarification of aberrations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

References to key literature and data sources

This SDS was prepared on the basis of sheet of producer, literature data, online databases as well as our knowledge and experience, taking into account current legislation.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.

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