

SAFETY DATA SHEET

ARPRO® is not a hazardous product and under normal conditions of use, no toxic, personal or ecological hazards are expected.

This Safety Data Sheet is provided to assist you in the unlikely event that you experience any difficulties whilst using or handling the product and provides information on First Aid measures, Fire Safety, accidental spillage, safe handling and disposal. First Aid measures are 'common sense' guidelines, such as seeking fresh air and industrial hygiene practice; in case of fire use a water spray extinguisher, or a CO₂, foam or dry chemical extinguisher if a water spray extinguisher is not available; sweep up all spillages immediately; do not store the product near ignition sources and ensure that local and National legislation is followed when disposing of the product.

1. Identification of the preparation and of the company/undertaking

1.1 Identification of the preparation/trade names

Trade name(s): ARPRO®
Please see specific notes for ARPRO® 4635 FR, ARPRO® 5135-ESDP, ARPRO® 5135-LS and ARPRO® 5635-LS

Chemical name: Ethylene Propylene Copolymer
Chemical Family: Polypropylene

1.2 Use of the preparation

Industrial branch: Manufacturing / Production
Use: Manufacture of recyclable parts providing energy absorption, structural strength, thermal insulation properties and acoustic dampening at light-weight.

1.3 Company/undertaking identification

JSP
Zone Industrielle le Bois Chevalier
Route de Francières
60190 Estrées-Saint-Denis
France

Email: SDS@jsp.com

1.4 Emergency telephone

Emergency telephone: + 33 3 44 91 70 30 (24 hours)



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2. Hazards Identification

These products have not been classified hazardous and do not require hazard warning labels, in accordance with current legislation.

3. Composition/ information on ingredients

3.1 Composition

ARPRO® white grades incorporate mineral and organic elements in a polypropylene copolymer.

ARPRO® colour grades incorporate mineral and organic pigments in a polypropylene copolymer. Compositions given are typical values, not specifications:-

<u>Component</u>	<u>% Weight</u>	<u>*CAS No</u>	<u>**EINECS No</u>
Polypropylene Copolymer	95.0 – 99.9	9010-79-1	N/A

ARPRO® black, porous, technical, high density and small bead grades incorporate mineral and organic elements in a mix of polypropylene copolymer and carbon black. Compositions given are typical values, not specifications:-

<u>Component</u>	<u>% Weight</u>	<u>*CAS No</u>	<u>**EINECS No</u>
Polypropylene Copolymer	85.0 – 99.9	9010-79-1	N/A
Carbon Black	0 – 15	1333-86-4	215-609-9

* A CAS Registry Number, commonly referred to as CAS Number, is a unique numerical identifier created and assigned to a chemical substance by Chemical Abstracts Service, a Division of the American Chemical Society.

** An EINECS number is the numerical identifier assigned to chemical substances on the European Inventory of Existing Commercial Substances (EINECS).

3.2 Information on ingredients

Hazardous ingredient(s): None

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4. First aid measures

Inhalation:	<p>These products do not normally present a significant inhalation hazard.</p> <p>In case of inhaling excessive airborne dust (dust is not present under normal conditions of use), move to an area free of airborne dust / fresh air.</p> <p>In case of inhalation of combustion or decomposition fumes, move to fresh air and seek medical advice.</p>
Skin contact:	<p>These products are not expected to present a significant skin hazard. If skin irritation is experienced, wash the area thoroughly and seek medical advice if symptoms persist.</p>
Eye contact:	<p>In case of any particles or particle dust coming into contact with your eyes, you should rinse your eyes with clean running water in order to remove particles of the product.</p>
Ingestion:	<p>If you swallow any of the product, you should not make yourself vomit. Seek medical advice immediately.</p>

5. Fire fighting measures

Suitable extinguishing media:	Water (preferably spray), CO ₂ , foam or dry chemical.
Extinguishing media which shall not be used:	High volume water jet.
Special exposure hazards:	<p>Combustible material. Heat sensitive: may melt. Material burns by forming flaming drops. Incomplete thermal decomposition or burning may release hazardous products and/or flammable vapours (like ethylene, ethane, carbon monoxide, propane etc.)</p> <p>ARPRO® 4635-FR: Combustion of gases may contain phosphorous pentoxide, phosphoric acid and hydrogen bromide.</p>
Advice for fire-fighters:	Wear self-contained breathing apparatus.

6. Accidental release measures

Spilled product may create slipping hazard on any hard smooth surface. In case of spillage, sweep up all loose product immediately.

Methods for cleaning up: Avoid dust formation. Collect the spilled product into a suitable container, which should be properly labelled. Organise appropriate disposal (see section 13).

Handle & store according to measures defined in section 7. Follow the personal protection instructions (see section 8).

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7. Handling and storage

Handling:	Avoid the formation and deposition of dust. In order to avoid static discharge, equipment should be made of electrically conductive material and be earthed.
Storage:	Keep away from heat or ignition sources (flame or sparks) and UV exposure. These products can be stored indefinitely at normal room temperature. <i>Due to the specific properties of ARPRO® 5135-LS & 5635-LS, these grades may be stored for up to 1 year at normal room temperature.</i>

8. Exposure controls / Personal protection

Exposure limit values:	Dust: TWA= 10 mg/m ³
Occupational exposure controls:	No Special precautions are necessary. Handle in accordance with industrial hygiene and safety practice.
Respiratory protection:	Under anticipated conditions of normal use these products are not usually considered as a respiratory hazard. Ensure adequate ventilation, especially in confined areas. In confined or poorly ventilated areas, use a suitable particle filter mask with low efficiency for solid particles.
Skin and hand protection:	Under anticipated conditions of normal use these products are not usually considered as a skin hazard.
Eye protection:	Under anticipated conditions of normal use these products are not usually considered as hazardous to the eyes. Wearing safety glasses can prevent the risk of the product coming into contact with the eyes.

9. Physical and chemical properties

Appearance:	Small beads
Physical state at 25° C:	Solid
Colour:	(ARPRO® Type) white, black, grey, blue, orange, yellow, magenta, green
Odour:	None
Density at 25°C (kg/m ³):	(ARPRO® Type) 10 to 200
Solubility in water:	Insoluble
Other solvents:	Slightly soluble in hot organic solvents
Melting point temperature:	130-170 °C
Auto-ignition temperature:	~ 350°C all grades

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10. Stability and reactivity

Stability:	These products are chemically stable.
Conditions to avoid:	Avoid extreme heat and all sources of ignition (flame or sparks).
Materials to avoid:	None
Hazardous decomposition products:	No hazardous decomposition if the product is used as recommended.

11. Toxicological information

Acute Toxicity:	Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Chronic Toxicity:	
Inhalation:	Inhaling excessive airborne dust (dust is not present under normal conditions of use), can cause irritation to the upper respiratory tract.
Skin contact:	Under anticipated conditions of normal use these products are not usually considered as a skin hazard. Excessive dust (dust is not present under normal conditions of use), may cause skin irritation.
Eye contact:	Under anticipated conditions of normal use these products are not usually considered as a hazard to the eyes. Product or dust particles can cause irritation to the eyes.
Ingestion:	Swallowing particles of these products can create a false feeling of satiety (feeling full).

12. Ecological information

Ecotoxicity:	The product has no known eco-toxicological effect.
Elimination:	The product is not bio degradable. The product can be mechanically separated.

Further ecological and environmental information is available in our Life Cycle Assessment, available for download on www.arpro.com.

13. Disposal considerations

Products:	The product should be disposed of in compliance with local and national legislation. Waste management schemes (recovery, recycling reuse) should be promoted.
Packaging:	The packaging should be disposed of in compliance with local and national legislation.

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14. Transportation information

Transport Type:	UN Number:	
Road & Rail Transport:	ADR/RID	Not classified as dangerous goods under transport regulations.
Inland Waterway Transport:	ADN	Not classified as dangerous goods under transport regulations.
Sea Transport:	IMO-IMDG code	Not classified as dangerous goods under transport regulations.
Air Transport:	ICAO/IATA	Not classified as dangerous goods under transport regulations.

15. Regulatory information

15.1 Regulations / legislation specific for the preparation

Product is not classified as hazardous.

EC Labeling:	No labeling is required according to the directives and regulations in force.
Symbol(s):	None.
Risk Phrase(s):	None.
Safety Phrase(s):	None.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required.

16. Other information

All information contained herein is based on the present state of our knowledge at the date of issue. It is believed to be accurate. It is intended to describe products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties. Under no circumstances is the user exempt from respecting legislative or administrative texts related to the product in term of safety, hygiene, and health and environment protection. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use of disposal of the product.

This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

This SDS (revision 7) has been established to take REACH Regulation 1907-2006 into account.

Please note that ARPRO® grades not classified as hazardous products, therefore there is no legal requirement to provide a Safety Data Sheet for these products, and it is provided as a courtesy to customers.