

ARPRO is not classified as hazardous and under normal conditions of use, no toxic, personal or ecological hazards are expected. ARPRO is not a cause of bioaccumulation or toxicity and is exempt from REACH registration.

This Safety Data Sheet (SDS) 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. In case of fire ideally use a water spray extinguisher (CO<sub>2</sub>, foam and dry chemical extinguishers can also be used). Do not store the product near ignition sources. Remove all spillages immediately; and ensure that local and national legislation is followed if disposing of the product.

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

|                 |                         |
|-----------------|-------------------------|
| Trade name(s)   | ARPRO 1133 Lime         |
| Chemical name   | Polypropylene copolymer |
| Chemical family | Polypropylene           |

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

|                   |  |
|-------------------|--|
| Identified use(s) | For industrial processing only.<br>Manufacture of 100% recyclable parts providing; energy absorption and structural strength at very low weight, as well as chemical resistance and thermal and acoustic insulation. |
|-------------------|--|

### 1.3 Details of the supplier of the safety data sheet

|                        |  |
|------------------------|--|
| Company identification | JSP<br>14 Route de Francières<br>60190 Estrées-Saint-Denis<br>France |
| E-mail                 | <a href="mailto:SDS@jsp.com">SDS@jsp.com</a>                         |

### 1.4 Emergency telephone number

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

## 2. Hazard identification

### 2.1 Classification of the substance or mixture

ARPRO is not classified as dangerous for supply/use. No need for classification according to CLP Regulation (EC) N° 1272/2008.

### 2.2 Label elements

EUH212: Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

### 2.3 Other hazards

The molten form may cause thermal burns if in contact with skin.

## 3. Composition / information on ingredients

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

ARPRO 1133 Lime incorporate mineral and organic elements in a polypropylene copolymer.

| Ingredient(s)           | Weight (%) | CAS N°     | Hazard pictogram(s) & hazard statement(s) |
|-------------------------|------------|------------|---|
| Polypropylene copolymer | > 95       | 9010-79-1  | None                                      |
| Titanium dioxide        | 1 - 2      | 13463-67-7 | EUH212                                    |

*There is no EC N° or REACH registration number assigned for polypropylene copolymer.*

## 4. First aid measures

### 4.1 Description of first aid measures

|               |  |
|---------------|--|
| Inhalation:   | Dust is not present under normal conditions of use. In the unlikely event of dust creation when used, do not breathe dust, use respiratory protective devices.<br>In case of inhalation of combustion or decomposition fumes, move to fresh air and seek medical advice. |
| Skin contact: | The products are not expected to present a skin hazard. If skin irritation is experienced, wash the area thoroughly and seek medical advice if symptoms persist.   |
| Eye contact:  | In case any particles or particle dust comes in contact with eyes, rinse eyes with clean running water. Seek medical advice if symptoms persist.   |
| Ingestion:    | If you swallow any of the product, seek medical advice.  |

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

These products are not classified as hazardous. The molten form may cause thermal burns if in contact with skin.

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

Unlikely to be required but if necessary treat symptomatically.

## 5. Firefighting measures

### 5.1 Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | Water (preferably spray), CO <sub>2</sub> , foam or dry chemical. |
| Unsuitable extinguishing media | High volume water jet.  |

### 5.2 Special hazards arising from the substance or mixture

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.).

### 5.3 Advice for firefighters

Do not breathe fumes from heated product. Wear self-contained breathing apparatus.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Spilled product may create slip hazard on any hard smooth surface.

### 6.2 Environmental precautions

Avoid discharge to environment.

### 6.3 Methods and material for containment and cleaning up

In case of spillage, remove all loose material immediately to eliminate trip hazard.

Methods for cleaning up: Avoid dust formation. Collect the spilled product into a suitable container. Organise appropriate disposal (refer to section 13).

## 7. Handling and storage

### 7.1 Precautions for safe handling

Ensure adequate ventilation and avoid the formation and deposition of dust. In order to avoid static discharge, equipment should be made of electrically conductive material and be earthed.

### 7.2 Conditions for safe storage, including any incompatibilities

|                        |   |
|------------------------|---|
| Storage conditions     | Keep away from heat or ignition sources (flame or sparks) and UV exposure. Store in a cool and dry place. |
| Storage life           | Indefinite under recommended storage conditions.  |
| Incompatible materials | Strong oxidising agents.  |

### 7.3 Specific end use(s)

Industrial use.

## 8. Exposure controls / personal protection

### 8.1 Control parameters

Occupational exposure limits: none.

Component with occupational exposure limits: none.

Dust is not present under normal conditions of use. Dust might be generated by abrasion of ARPRO in conveying system.

### 8.2 Exposure controls

#### 8.2.1 Local exhaust recommended.

Under anticipated conditions of normal use these products are not considered as a respiratory hazard. Ensure adequate ventilation, especially in confined areas.

#### 8.2.2 Individual protection measures, such as personal protective equipment.

|                                     |  |
|-------------------------------------|--|
| Occupational exposure controls      | No special precautions are necessary.  |
| Eye / face protection               | Under anticipated conditions of normal use these products are not considered as hazardous to the eyes.<br>Safety glasses can prevent the risk of the product coming into contact with the eyes.                  |
| Skin and hand protection            | Under anticipated conditions of normal use these products are not considered as a skin hazard.   |
| Respiratory protection              | Under anticipated conditions of normal use these products are not considered as a respiratory hazard. In the unlikely event of dust creation when used, do not breathe dust, use respiratory protective devices. |
| Thermal risk                        | When manipulating heated material: wear insulated gloves.  |
| General safety and hygiene measures | Handle in accordance with good industrial hygiene and safety practice.   |

#### 8.2.3 Environmental exposure controls: prevent from entering public sewers. No special measures required.

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                           |  |
|---------------------------|--|
| Appearance                | Small particles                                  |
| Physical state at 25°C    | Solid  |
| Colour                    | Green  |
| Odour                     | Odourless  |
| Odour threshold           | Not established                                  |
| Melting point temperature | 130 - 170°C                                      |
| Boiling range             | The product decomposes therefore not determined. |
| Flash point               | > 200°C  |
| Relative density          | <1   |
| Solubility in water       | Insoluble  |
| Other solvents            | Slightly soluble in hot organic solvents.        |
| Auto-ignition temperature | ~ 350°C all grades                               |
| Thermal decomposition     | > 180°C  |
| Oxidising properties      | Not oxidising                                    |

Evaporation rate, pH, upper/lower flammability, explosive limits, vapour pressure, vapour density, partition coefficient n-octanol/water, viscosity and explosive properties are all not applicable to ARPRO.

**9.2 Other information**

Bulk density: 31 to 35g/l (at 25°C)

**10. Stability and reactivity****10.1 Reactivity**

No hazardous reaction if stored and handled as prescribed.

**10.2 Chemical stability**

These products are chemically stable.

**10.3 Possibility of hazardous reactions**

These products are stable if stored and handled as prescribed.

**10.4 Conditions to avoid**

Avoid extreme heat and all sources of ignition (flame or sparks).

**10.5 Incompatible materials**

Strong oxidising agents.

**10.6 Hazardous decomposition products**

No hazardous decomposition if the product is used as recommended. Upon prolonged and / or strong heating, decomposition products may be released.

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## 11. Toxicological information

### 11.1 Information on toxicological effects

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. Under anticipated conditions of normal use these products are not usually considered as a skin hazard or a hazard to the eyes. Creation of dust should be avoided.

### 11.2 Other information

Ingestion: swallowing particles of these products can create a false feeling of satiety (feeling full).

## 12. Ecological information

### 12.1 Toxicity

The product has no known toxicity effect to aquatic organisms.

### 12.2 Persistence and degradability

The product is not bio degradable and can be mechanically separated.

### 12.3 Bio-accumulative potential

The product has no potential for bio-accumulation.

### 12.4 Mobility in soil

Insoluble in water. The product is predicted to have very low mobility in soil.

### 12.5 Results of PBT and vPvB assessment

Not classified as PBT (Persistent, Bio-accumulative and Toxic). Not classified as vPvB (very Persistent, very Bio-accumulative).

### 12.6 Other adverse effects

None.

### 12.7 Additional information

Further ecological and environmental information is available in our Life Cycle Assessment.

## 13. Disposal considerations

### 13.1 Waste treatment methods

|           |   |
|-----------|---|
| 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.  |

## 14. Transportation information

### 14.1 UN number

Not applicable.

### 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.

### 14.6 Special precautions for user

Not applicable.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

## 15. Regulatory information

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

Product is not classified as hazardous.

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required.



## 16. Other information

Please note that ARPRO grades are not classified as hazardous products.

Revision 1 of this Safety Data Sheet has been prepared after review of the Commission Delegated Regulation (EU) 2020/217 of 4 October 2019 that is amending CLP Regulation (EC) No 1272/2008.

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