

1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Name: ICP 915

Revision: 12 November 2012

N° de FDS 2497-5

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Company:

Calvo Sealing, S.L.
Calle Galileo, nº 8 (P. I. Can Estella)
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Supplier:

Use:

Braided hybrid packing manufactured from a combination of PTFE fiber yarn added with special lubricant and "Twaron" aramid fiber yarn in the corners. It is an excellent dynamic packing for rotatory and reciprocating duties, for applications where unwanted particles exclusion is required above 280°C (536°F) and pH 2-12.

2 – HAZARDS IDENTIFICATION

None expected in industrial use. PTFE is non toxic at ambient temperatures. At temperatures above 260°C (500°F), toxic decomposition products may be emitted. Due to toxic decomposition, avoid smoking when handling PTFE products. Wash hands to avoid transfer to tobacco products.

3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	% wt	CAS n°	EC n°	NU n°	Symbol	R-Phrases
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This product is not classified as a “harzadous material” in normal use as defined in:

- * European Directives 67/548/EEC, 99/45/EC and Regulation (EC) n° 1272/2008
- * 29 CFR 1910.1200, 1915, 1916, 1917
- * Massachusetts Right-To-Know Laz, Chapter 40, Acts and Resolves of 1983 (M.G.L. O. 111F)

4 – FIRST AID MEASURES

Inhalation: If overcome by decomposition fumes, remove to fresh air. If not breathing, administer artificial respiration. Contact physician.

Skin contact: Not applicable

Eye Contact: Not applicable

Ingestion: Not applicable

Advice to physician: Treat symptoms

5 – FIRE-FIGHTING MEASURES

Extinguishing Methods: Use extinguisher appropriate for the surrounding fire.

Unusual Fire and Explosion Hazards: Product will burn in an atmosphere of >95% oxygen, when an ignition source is present.

Special Fire Fighting Measures: Recommended Firefighters wear self-contained breathing apparatus to protect against hazardous decomposition products.

HAZCHEM Emergency Action Code: 1 Z

6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Utilize exposure controls and personal protection as specified in Section 8.

Environmental Precautions: No special requirements.

Methods of Clean Up: No special required. Nontoxic. Refer to section 13 for disposal advice.

7 – HANDLING AND STORAGE

Handling: Do not smoke when handling PTFE products. Wash hands after handling to avoid transfer to tobacco products. Not recommended for use in potable or drinking water service.

Storage: Store in cool, dry area.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredients	OSHA		ACGIH TLV		CHILE (LPP)	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
none						

Respiratory Protection: Not required

Ventilation: No special requirements. If using under extreme heat, use local exhaust.

Protective Gloves: Not normally needed.

Eye Protection: Not normally needed.

Other: None

9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Odour	Odorless
Colour	white	Vapour pressure at 20°C	Not applicable
Initial boiling point	Not applicable	% aromatics by weight	Not applicable
Melting point	Not applicable	pH	Not applicable
% volatile (by volume)	Not applicable	Weight per volume	Not applicable
Flash point	Not applicable	Density	Not applicable
Method	None	Coefficient (water/oil)	Not applicable
Viscosity	Not applicable	Vapour density (air =1)	Not applicable
Autoignition temp.	Not applicable	Rate of evaporation (ether =1)	Not applicable
Explosion limits	Not applicable	Solubility in water	Insoluble

10 – STABILITY AND REACTIVITY

Stability: Stable

Hazardous polymerization: Will not occur.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, trace amounts of Hydrogen fluoride, Perfluorocarbon olefins and other toxic fumes may be evolved above 260°C (500°F).

Conditions to avoid: Extreme heat above 260°C (500°F).

Materials to avoid: Oxidizers, Fluorine, Chlorine Trifluoride and related compounds and molten alkali metals.

11 – TOXICOLOGICAL INFORMATION

Primary Route of Exposure Under: Inhalation (PTFE decomposition fumes) and skin contact.

Acute Effects: PTFE is nontoxic at ambient temperatures. However, small quantities of toxic gases may be produced at temperatures above 260 °C (500°C), due to decomposition. Inhalation of these decomposition products may cause temporary flu-like symptoms.

Chronic effects: None

Other information: As per 29 CFR 1910.1200 (Hazard Communication), this product contains no carcinogens as listed in the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

12 – ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

Mobility: In determining environmental mobility, consider the product's physical and chemical properties. (see Section 9)

Degradability: Not determined

Accumulation: Not determined

Ecotoxicity: This material is not toxic to aquatic life. It is essentially inert to the environment.

13 – DISPOSAL CONSIDERATIONS

Material can be stabilized/solidified or incinerated for disposal. Check local, state and national/federal regulations and comply with the most stringent requirement. This product is not classified as a hazardous waste according to 91/689/EEC

EWC Code: 07 02 99

14 – TRANSPORT INFORMATION

TDG:	Nonhazardous, not regulated
IMDG:	Nonhazardous, not regulated
IATA/ICAO:	Nonhazardous, not regulated
ADR/RID:	Nonhazardous, not regulated

15 – REGULATORY INFORMATION

<u>European Classification:</u>	none
<u>R - Phrase(s):</u>	-
<u>S-Phrase(s):</u>	-
<u>Precautionary and First Aid Measure(s):</u>	-
<u>Other information:</u>	none

16- OTHER INFORMATION

<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;"> US EPA SARA TITLE III </div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> 312 Hazards none </td> <td style="width: 50%; vertical-align: top;"> 313 Chemicals: none </td> </tr> </table>	312 Hazards none	313 Chemicals: none	<p style="text-align: center;">Hazardous Materials Identification System (HMIS)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">HEALTH</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">REACTIVITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">Personal Protection</td> <td style="text-align: center;">*</td> </tr> </table> <p style="font-size: small;"> 4= Severe Hazard 3= Serious Hazard 2= Moderate Hazard 1= Slight Hazard 0= Minimal Hazard c = See Section 8 </p>	HEALTH	0	FLAMMABILITY	0	REACTIVITY	1	Personal Protection	*
312 Hazards none	313 Chemicals: none										
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<p>Risk phrases in section 3: None</p> <p>Changes to the MSDS in this revision: Sections 1 and 12</p>											
<p style="font-size: x-small;">This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.</p>											