

**1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY****Product Name:** ICP 917**Revision:** 08 November 2012**N° de FDS** 0758-4**Date of issue:** 15 January 2007**Company:**

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**Supplier:****Use:**

Braided packing manufactured from high strength continuous "Twaron" para-aramid yarns added with PTFE dispersion and inert lubricant. An exceptional packing for use in centrifugal pumps, reciprocating pumps and mixers, which resists abrasive effects of suspended solids and shear stress effects of viscous media above 280°C (550°F) and pH 3-12.

**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.

MATERIAL SAFETY DATA SHEET in accordance with 1907/2006/CE

### 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:** not applicable

**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.

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## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredients	OSHA		ACGIH TLV		CHILE (LPP)	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
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	yellow	Vapour pressure at 20°C	Not applicable
Initial bolting 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 movility, 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

Unused product is not a regulated waste. Check local, state and national/federal regulations and comply with the most stringent requirement. Not classified as harzadous accordingt to 91/689/EEC.

**EWC Code:** 07 02 99

## 14 – TRANSPORT INFORMATION

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

## 15 – REGULATORY INFORMATION

**European Classification:** none

**R - Phrase(s):** none

**S-Phrase(s):** none

**Precautionary and First Aid Measure(s):** none

**Other information:** none

## 16- OTHER INFORMATION

### US EPA SARA TITLE III

**312 Hazards**

none

**313 Chemicals:**

none

### Hazardous Materials Identification System (HMIS)

4= Severe Hazard  
 3= Serious Hazard  
 2= Moderate Hazard  
 1= Slight Hazard  
 0= Minimal Hazard  
 c = See Section 8

HEALTH	0
FLAMMABILITY	0
REACTIVITY	1
Personal Protection	*

**Risk phrases in section 3:** None

**Changes to the MSDS in this revision:** Sections 2, 6, 12 y 15

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.