

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

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

**Product Name:** ICP FLON300

**Revision:** 15 November 2012

**N° de FDS** 2497-1

**Date of issue:** 18 May 2009

**Company:**

Calvo Sealing, S.L.  
Calle Galileo, nº 8 (P. I. Can Estella)  
08635 San Esteve de Sesrovires  
Barcelona - Spain  
Tel: +34 937715910  
Fax: +34 937715319

**Supplier:**

**Use:**

Modified PTFE based gasket material with barium sulphate.

A general purpose grade for sealing applications with the exception of molten alkali metals, fluorine gas, hydrogen fluoride or materials which may generate these.

## 2 – HAZARDS IDENTIFICATION

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

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.

**HAZCHEM Emergency Action Code:** NO

## 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 steps required. Nontoxic.

## 7 – HANDLING AND STORAGE

**Handling:** Do not smoke when handling PTFE products; wash hands after handling to avoid transfer to tobacco products.

**Storage:** Store in cool, dry area.

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

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredients	OSHA		ACGIH TLV		AUSTRALIA (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. Local exhaust is needed during dust producing operations.

**Protective Gloves:** Not normally needed.

**Eye Protection:** Not normally needed.

**Other:** None

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Odour	None
Colour	White	Vapour pressure at 20°C	None
Initial boiling point	Not applicable	% aromatics by weight	0 %
Melting point	Not applicable	pH	Not applicable
% volatile (by volume)	Not applicable	Weight per volume	Not applicable
Flash point	Not applicable	Density	2,70 g/cm <sup>3</sup>
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:** 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°F), 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:** Solid. Insoluble in water.

**Degradability:** Nonbiodegradable

**Accumulation:** Not determined

**Ecotoxicity:** Not determined

## 13 – DISPOSAL CONSIDERATIONS

Unused product is not a regulated waste. Check local, state and national/federal regulations and company with the most stringent requirement.

**EWC Code:** 07 02 13

## 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

<b><u>European Classification:</u></b>	None
<b><u>R - Phrase(s):</u></b>	None
<b><u>S-Phrase(s):</u></b>	None
<b><u>Name of the substances on the label:</u></b>	None
<b><u>Other information:</u></b>	None

## 16- OTHER INFORMATION

<div style="border: 1px solid black; padding: 5px; text-align: center;">US EPA SARA TITLE III</div>		<b>Hazardous Materials Identification System (HMIS)</b>									
<b>312 Hazards</b>  Immediate Delayed	<b>313 Chemicals:</b>  none	4= Severe Hazard 3= Serious Hazard 2= Moderate Hazard 1= Slight Hazard 0= Minimal Hazard c = See Section 8	<table border="1"> <tr> <td>HEALTH</td> <td>0</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>REACTIVITY</td> <td>1</td> </tr> <tr> <td>Personal Protection</td> <td>*</td> </tr> </table>	HEALTH	0	FLAMMABILITY	0	REACTIVITY	1	Personal Protection	*
HEALTH	0										
FLAMMABILITY	0										
REACTIVITY	1										
Personal Protection	*										
<b>Risk phrases in section 3:</b> None											
<b>Changes to the MSDS in this revision:</b> -											
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.											