

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

**Product Name:** ICP 9000RR

**Revision:** 13 November 2012

**N° de FDS** 2496-7

**Date of issue:** 14 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  
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**Supplier:**

**Use:**

High quality sheet jointing made of high quality expanded graphite laminated with a 0,1 mm thickness tanged stainless steel 316 insert. (98 % purity)

Recommended for applications involving high sealing stresses and where high blowout resistance is required.°v

## 2 – HAZARDS IDENTIFICATION

None expected in industrial use.

### 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	% wt	CAS n°	EC n°	Symbol	R-Phrases
Graphite	> 97	7782-42-5	231-955-3	-	-

### 4 – FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If not breathing, administer artificial respirator. Contact physician.

**Skin contact:** Wash skin with soap and water. Contact to physician if irritation persists.

**Eye Contact:** Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.

**Ingestion:** Not applicable

**Advice to physician:** Treat symptoms

## 5 – FIRE-FIGHTING MEASURES

**Extinguishing Methods:** Carbon Dioxide, dry chemical, foam or water spray

**Unusual Fire and Explosion Hazards:** None

**Special Fire Fighting Measures:** Recommended Firefighters wear self-contained breathing apparatus.

**HAZCHEM Emergency Action Code:** 2 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 steps required. Nontoxic. Refer to Section 13 for disposal advice.

## 7 – HANDLING AND STORAGE

**Handling:** Accumulations of graphite may cause shorting of electrical circuits. Utilize exposure controls and personal protection as specified in Section 8.

**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>
graphite	total	15	resp	2	resp	3
	resp	5				

**Respiratory Protection:** Not normally needed. If exposure limit is exceeded, use approved dust respirator.

**Ventilation:** No special requirements. If exposure limits are exceeded, provide adequate ventilation.

**Protective Gloves:** Recommended

**Eye Protection:** recommended safety glasses.

**Other:** None

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Odour	rubber
Colour	Black	Vapour pressure at 20°C	None
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	1,1 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 and other toxic fumes.

**Conditions to avoid:** None

**Materials to avoid:** Fluorine, aqua regia, oleum, fuming Nitric Acid and Hydrochloric Acid and Hydrofluoric Acid when used as a positive electrode.

## 11 – TOXICOLOGICAL INFORMATION

**Primary Route of Exposure Under:** Inhalation, skin and eye contact. Personnel with pre-existing chronic respiratory impairments may be aggravated by exposure.

**Acute Effects:** Graphite dust may cause irritation to the skin, eyes and nasal passages.

**Chronic effects:** Repeated inhalation of nuisance dust in excess of exposure limits over an extended period of time may result in injury to the lungs. Symptoms can include cough, shortness of breath and decrease in pulmonary function.

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

**Degradability:** Graphite: inorganic substance, exists in nature.

**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. This product is not classified as a hazardous waste according to 91/689/EEC.

**EWC Code:** not determined

## 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

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## 15 – REGULATORY INFORMATION

**European Classification:** None

**R - Phrase(s):** -

**S-Phrase(s):** -

**Name of the substances on the label:** -

**Other information:** -

## 16- OTHER INFORMATION

### US EPA SARA TITLE III

#### 312 Hazards

Immediate  
Delayed

#### 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:** 1 and 6

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.