

## Material Safety Data Sheet (MSDS)

<b>SECTION I - MATERIAL IDENTIFICATION AND USE</b>				
Material Name Robco 1200 Thermograf				
Manufacturer's Name		Supplier's Name Robco		
Address		Address 7200 St. Patrick		
City, Province		City, Province LaSalle, Québec		
Postal Code		Emergency Phone No.		Postal Code H8N 2W7
				Emergency Phone No. (514) 367-2252
Chemical Name Graphite		Chemical Family N/A		Chemical Formula N/A
Trade Name and synonyms		Molecular Weight		Material Use Pump and valve packing
<b>SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL</b>				
Hazardous Ingredients	Approximate Concentration (%)	CAS, NA or UN Numbers	OSHA PEL	ACGIH TLV
<b>SECTION III - PHYSICAL DATA FOR MATERIAL</b>				
Physical State <input type="checkbox"/> Gas <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid			Odour and appearance N/A	
Odour threshold (PPM) N/A		Specific Gravity 0.3 - 1.8 max.	Vapour Pressure (MM) N/A	Vapour Density (Air = 1) N/A
Evaporation Rate N/A		Boiling Point (°C) N/A	Freezing Point (°C) N/A	Solubility in water (20 °C) N/A
%Volatile (by volume) N/A		pH N/A		Coefficient of water/oil distribution N/A
<b>SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL</b>				
Flammability <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, under which conditions?				
Means of extinction Will not support combustion				
Special procedures N/A				

Flashpoint (°C) and method N/A	Upper Explosion Limit (% by volume) N/A	Lower Explosion Limit (% by volume) N/A
Autoignition Temperature (°C) N/A	Hazardous combustion products N/A	
<b>EXPLOSION DATA</b>		
Sensitivity to mechanical impact N/A	Sensitivity to static discharge N/A	
<b>SECTION V - REACTIVITY DATA</b>		
Chemical Stability If no, under which conditions?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Incompatibility to other substances If so, which ones? Would react slightly with chromic, dichromic acids and their salts.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Reactivity and under what conditions? N/A		
Hazardous decomposition products Will not burn (no hazardous products)		
<b>SECTION VI - TOXICOLOGICAL PROPERTIES OF MATERIAL</b>		
Route of entry <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input type="checkbox"/> Inhalation, Acute <input type="checkbox"/> Inhalation, Chronic <input checked="" type="checkbox"/> Ingestion		
Effects of acute exposure to material None known at this time based on present existing information.		
Effects of chronic exposure to material N/A		
LD <sub>50</sub> of material (specify species & route) N/A	LC <sub>50</sub> of material (specify species & route) N/A	
Exposure (Limits) N/A	Irritancy of material N/A	
Sensitization of material N/A	Synergistic materials N/A	
Carcinogenicity, reproductive effects, teratogenicity, mutagenicity N/A		

**SECTION VII - PREVENTIVE MEASURES****PERSONAL PROTECTIVE EQUIPMENT**

Gloves (specify)  
rubber gloves recommended

Eye (specify)  
safety glasses

Respiratory (specify)  
Optional, not required with adequate ventilation.

Other (specify)  
Use clothing sufficient to prevent skin contact from dust/fumes when needed. Wash hands before smoking.

Engineering controls (e.g., ventilation, enclosed process, specify)  
Mechanical ventilation recommended particularly when cutting

Leak and spill procedures  
Sweep or shovel solid material. If dust is generated, sweep or vacuum as so not to create any additional dust.

Waste Disposal  
Burial. Dispose of in accordance to federal, provincial and local regulations

Handling procedures and equipment  
Flexible graphite and its dust are electrically conductive. Short circuiting may result.

Storage requirements  
Store in a cool and dry place

Special shipping information  
No special requirements

**SECTION VIII - FIRST AID MEASURES**

Skin: Wash with soap and water. If irritation develops, seek medical attention.  
Eye: Wash with cold water. If irritation persists consult physician.  
Inhalation: Not applicable under normal conditions. In case of fire, remove patient to fresh air environment.  
Ingestion: Unlikely but consult physician

Additional Information  
Elementary precautions recommended. Vacuum or sweep loose particles. Avoid creating dust. Follow good industrial housekeeping and personal hygiene practices. Wash hands thoroughly before eating or smoking.

**SECTION IX - PREPARATION DATE OF MSDS**

Prepared by (group, department, etc.)  
Robco

Telephone Number  
(514) 367-2252

Date  
June 12, 2007

Additional Notes or References: The foregoing information is submitted voluntarily for the Health and security of our clients. The information should be considered as reliable and should be used by competent technical personnel, at their own risk.