

Material Safety Data Sheet (MSDS)

SECTION I - MATERIAL IDENTIFICATION AND USE				
Material Name Robco 1140				
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 N/A		Chemical Family N/A		Chemical Formula N/A
Trade Name and synonyms GFO		Molecular Weight N/A		Material Use Compression Packing
SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL				
Hazardous Ingredients	Approximate Concentration (%)	CAS, NA or UN Numbers	LD ₅₀ (specify species & route)	LC ₅₀ (specify species & route)
PTFE Graphite	50-60% 40-60%	9002-84-0 7782-42-5		
SECTION III - PHYSICAL DATA FOR MATERIAL				
Physical State <input type="checkbox"/> Gas <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid			Odour and appearance Gray colored, odorless braided packing.	
Odour threshold (PPM)	N/A	Specific Gravity 1.2	Vapour Pressure (MM)	Vapour Density (Air = 1)
Evaporation Rate	N/A	Boiling Point (°C)	Freezing Point (°C)	Solubility in water (20 °C)
	N/A	N/A	N/A	N/A
%Volatile (by volume)		pH		Coefficient of water/oil distribution
Less than 1%				
SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL				
Flammability <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, under which conditions?				
Means of extinction CO ₂ , Dry Chemical, Water & Foam				
Special procedures N/A				

Flashpoint (°C) and method Open cup 610° F. (oil only)	Upper Explosion Limit (% by volume) N/A	Lower Explosion Limit (% by volume) N/A
Autoignition Temperature (°C) Not determined but PTFE only burns in 100% oxygen		Hazardous combustion products Hydrogen Fluoride, perfluoroisobutylene
EXPLOSION DATA		
Sensitivity to mechanical impact		Sensitivity to static discharge
SECTION V - REACTIVITY DATA		
Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, under which conditions?		
Incompatibility to other substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, which ones? Will react with molten alkali metals, elemental fluorine, some inter halogen compounds, strong oxidizing and reducing agents.		
Reactivity and under what conditions?		
Hazardous decomposition products Thermal decomposition will produce standard products of combustion ie. H ₂ O - CO ₂ (SiO ₂ as silicone lubricant burns) and possible traces of CO if combustion takes place in an oxygen rarefied environment. At temperatures in excess of 650° Far. (343° C.) Hydrogen fluoride (an irritant gas) and traces of perfluoroisobutylene may be released.		
SECTION VI - TOXICOLOGICAL PROPERTIES OF MATERIAL		
Route of entry <input type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input type="checkbox"/> Inhalation, Acute <input type="checkbox"/> Inhalation, Chronic <input type="checkbox"/> Ingestion		
Effects of acute exposure to material No adverse effects at low temperature.		
Effects of chronic exposure to material See above		
LD ₅₀ of material (specify species & route)	LC ₅₀ of material (specify species & route)	
Exposure (Limits)	Irritancy of material	
Sensitization of material	Synergistic materials	
Carcinogenicity, reproductive effects, teratogenicity, mutagenicity		
SECTION VII - PREVENTIVE MEASURES		

PERSONAL PROTECTIVE EQUIPMENT

Gloves (specify) Work gloves.	Eye (specify) Safety glasses.
Respiratory (specify) With thermal decomposition a breathing apparatus is recommended.	

Other (specify)
 None

Engineering controls (e.g., ventilation, enclosed process, specify)
 None.

Leak and spill procedures
 Material is a solid.

Waste Disposal
 Landfill is preferred but disposal methods must conform with local, provincial and federal regulations.

Handling procedures and equipment
 Wash hands after handling. Care should be taken not to contaminate tobacco and other smoking utensils or to incinerate without alkaline scrubbing as thermally decomposed PTFE may cause polymer fume fever with flu-like symptoms.

Storage requirements
 Not required

Special shipping information
 Not required

SECTION VIII - FIRST AID MEASURES

Skin: Wash with soap and water.
 Eye: Wash with cold water.
 Inhalation: With thermal decomposition, remove patient to fresh air.
 Ingestion: Consult a physician.

Additional Information
 General advice: Ample ventilation should be used if thermal decomposition takes place.

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.