

## Material Safety Data Sheet (MSDS)

<b>SECTION I - MATERIAL IDENTIFICATION AND USE</b>				
Material Name Robco 5050				
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		Molecular Weight		Material Use Pump or valve packing
<b>SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL</b>				
Hazardous Ingredients	Approximate Concentration (%)	CAS, NA or UN Numbers	LD <sub>50</sub> (specify species & route)	LC <sub>50</sub> (specify species & route)
Polytetrafluoroethylene Fibrous glass****		9002-84-0		
See "ADDITIONAL INFORMATION" All listed components are physically bound and/or encapsulated during manufacturing process and pose no health or safety hazard when used and handled appropriately in accordance with good industrial hygiene and appropriate end use applications.				
*SARA TITLE III, SECTION 313 REPORTABLE, **KNOWN OR SUSPECTED CARCINOGEN ***OSHA/ACHIH ****MANUFACTURER'S RECOMMENDATION				
<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 White to off-white solid with no distinct odor.	
Odour threshold (PPM) N/A	Specific Gravity Not determined.	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 Carbon dioxide, dry chemical, waterspray or foam.		
Special procedures Evacuate all non-essential personnel from area. Wear self-contained breathing apparatus and full protective equipment. Teflon will burn under sustained fire.		
Flashpoint (°C) and method N/A	Upper Explosion Limit (% by volume)	Lower Explosion Limit (% by volume)
Autoignition Temperature (°C) N/A.	Hazardous combustion products perfluoroisobutylene , Hydrogen fluoride	
EXPLOSION DATA		
Sensitivity to mechanical impact N/A.	Sensitivity to static discharge	
<b>SECTION V - REACTIVITY DATA</b>		
Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, under which conditions?		
Incompatibility to other substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If so, which ones? Molten alkali metals elements fluorine at high temperature and strong oxidizing and reducing agents.		
Reactivity and under what conditions?		
Hazardous decomposition products Various fluorocarbon fumes, carbon monoxide and carbon dioxide.		
<b>SECTION VI - TOXICOLOGICAL PROPERTIES OF MATERIAL</b>		
Route of entry <input checked="" type="checkbox"/> Skin Contact <input checked="" 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 under normal conditions. However, processing can produce nuisance dust taht may cause irritation to skin, eyes and respiratory system. Exposure to nuisance dust/fibers and teflon fumes from machining or heating can produce flu-like symptoms with fever and chills. Symptoms usually disappear within 36 to 48 hours with no treatment. Possible irritation to eyes, nose, throat, upper respiratory tract and skin. Skin and eye sensitivity, asthma, lung conditions, allergic reactions, and other pre-existing conditions may be aggravated under exposure.		
Effects of chronic exposure to material See above.		
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 Glass is classified as a possible carcinogen. Loose fibers are unlikely to occur during normal usage.	
<b>SECTION VII - PREVENTIVE MEASURES</b>	
PERSONAL PROTECTIVE EQUIPMENT	
Gloves (specify) Recommended	Eye (specify) OSHA approved safety glasses with side shields. No contact lenses.
Respiratory (specify) NIOSH/MSHA approved for dust/fibers/fumes when needed.	
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 in a manner so as not to create any additional dust.	
Waste Disposal Dispose of in accordance with federal, provincial and local regulations.	
Handling procedures and equipment No special requirements	
Storage requirements Store in a dry cool place.	
Special shipping information No special requirements.	
<b>SECTION VIII - FIRST AID MEASURES</b>	
Inhalation: Move victim to fresh air. Give artificial respiration if not breathing. If breathing is difficult, give oxygen and seek medical attention.	
Eyes: Flush with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.	
Skin: Wash with mild soap and water. If irritation develops, get medical attention. Wash clothing before reuse.	

Additional Information

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.