

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
Consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY: (As used on label and list)	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
MOLECULAR SIEVE-MOISTURE INDICATING	
SECTION I: MIL SPEC DOD-D-87934	Emergency Tel No.: 323-277-4700
Manufacturer's Name: IMPAK Corporation	Tel No. for Information: 323-277-4700
Address: (Number, Street, City, State & ZIP Code)	Date Prepared: June 2002
2460 East 57 th Street, Los Angeles, CA 90058	
	Signature of Preparer (Optional)

SECTION II – Hazardous Ingredients/Identity Information

Hazardous Components	OSHA	ACGIH	OTHER LIMITS	
Specific Chemical Identity; Common Name(s)	PEL	TLV	RECOMMENDED	%(optional)
SILICON OXIDE (SYNTHETIC)	15mg/m ³	10mg/m ³	Inhalable	
CAS #7631-86-9	TOTAL DUST	3mg/m ³	Respirable	<50
SODIUM OXIDE	N/E	N/E		<30
CAS #1313-59-3				
ALUMINUM OXIDE (NON-FIBROUS)	15mg/m ³	10mg/m ³		<30
CAS #1344-28-1	TOTAL DUST			
	5mg/m ³ Respirable			
MAGNESIUM OXIDE	15mg/m ³ Total	10mg/m ³		<5
CAS #1309-48-4	PARTICULAR FUME			
COBALT CHLORIDE HEXAHYDRATE	NOT ESTABLISHED	NOT ESTABLISHED		<1
CAS #7646-79-9				

SECTION III – Physical/Chemical Characteristics

Boiling Point		Specific Gravity (H ₂ O = 1)	
NOT APPLICABLE		1.1	
Vapor Pressure (mm Hg.)		Melting Point	
NOT APPLICABLE			
Vapor Density (AIR – 1)		Evaporation Rate	
NOT APPLICABLE		(Butyl Acetate = 1)	
Solubility in Water		NOT APPLICABLE	
NOT APPLICABLE			
Appearance and Odor			
BLUE/BEIGE BEADS - - NO ODOR			
4-8 MESH BEADS			

SECTION IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
NON FLAMMABLE	N/A		
Extinguishing Media			
WILL NOT BURN			
Special Fire Fighting Procedures			
NONE NEEDED			
Unusual Fire and Explosion Hazards			
N/A			

SECTION V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	n/a

Incompatibility (Materials to Avoid)**Hazardous Decomposition or Byproducts**

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	NONE KNOWN TO OCCUR

SECTION VI – Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
INHALATION & SKIN CONTACT MAY CAUSE DRYNESS, IRRITATION/PRIMARY			
Health Hazards (Acute and Chronic)			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
COBALT 1S		GROUP 2B/MONO 52	
Signs and Symptoms of Exposure COBALT AND COMPOUNDS ARE POSSIBLE CARCINOGENS			
IRRITATION (REDNESS) TO EXPOSED SKIN IN DIRECT CONTACT			
Medical Conditions			
Generally Aggravated by Exposure			
DUST MAY AGGRAVATE EXISTING RESPIRATORY CONDITIONS			
Emergency and First Aid Procedures			
REMOVE TO FRESH AIR, WASH EXPOSED SKIN WITH SOAP AND WATER.			
IRRIGATE EYES			

SECTION VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	
SWEEP OR VACUUM SPILLED MATERIAL INTO APPROPRIATE CONTAINER, MINIMIZE DUST, PROTECT SKIN AND USE ADEQUATE RESPIRATORY PROTECTION.	
Waste Disposal Method	
DISCARD ANY PRODUCT, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER IN FULL COMPLIANCE WITH GOVERNMENT REGULATIONS	
Precautions to Be Taken in Handling and Storing	
STORE IN COOL, DRY PLACE, ALWAYS HANDLE AND TRANSFER PRODUCT WITH ADEQUATE SKIN AND RESPIRATORY PROTECTION. THE ADDITION OF WATER (LIQUID) MAY CAUSE A RISE IN TEMPERATURE.	

SECTION VIII – Control Measures

Respiratory Protection (Specify Type)		
NIOSH/MSHA APPROVED DUST RESPIRATOR		
Ventilation	Local Exhaust	Special
	LOCAL & MECHANICAL EXHAUST IS	
	Mechanical (General)	Other
	RECOMMENDED TO MINIMIZE DUST EXPOSURE	
Protective Gloves		Eye Protection
TO PROTECT SKIN FROM CONTACT		GOGGLES TO PROTECT EYES FROM CONTACT
Other Protective Clothing or Equipment		
Work/Hygienic Practices WASH EXPOSED SKIN THOROUGHLY AFTER CONTACT		