

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

Occupation Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY

370002 BEAVER SEAL BLACK

*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.*

Section I

Manufacturer's Name Beaver Research Company		Emergency Telephone Number 1-800-255-3924 (Chem-Tel)	
Address (Number, Street, City, State, and ZIP Code) 3700 E. Kilgore Road, Portage, MI 49002		Telephone Number For Information 269-382-0133	
HMIS/NFPA Ratings:	Health:	1/1	Date Prepared 10/29/01
	Flammability:	1/1	Signature of Preparer (optional)
	Reactivity:	0/0	

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Methyltriacetoxysilane	4253-34-3	SEE BELOW		--	1-10
Ethyltriacetoxysilane	17689-77-9	SEE BELOW		--	1-10
Silica, Amorphous	7631-86-9	6mg/m3	10mg/m3	--	1-10
Note: Pressurizing Propellant Gas is not expelled with product)					
Isobutane/Propane Blend	75-28-5	800ppm	800ppm	--	
	74-98-6	1000ppm	1000ppm	--	

Observe limits for acetic acid formed during curing upon exposure to water or humid air. OSHA PEL - TWA 10ppm, ACGIH TLV - TWA 10ppm, STEL - 15 ppm.

Outer compartment contains flammable hydrocarbon propellant (Propane/Isobutane/n-Butane blend).

***All chemical compounds marked with an Asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet.**

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H2O = 1)	1.03
Vapor Pressure PSIG @ 70°F	N/A	Melting Point	N/A
Vapor Density (AIR = 1) Heavier than Air	N/A	Evaporation Rate (Butyl Acetate = 1)	<1
Solubility in Water	Nil	pH	Liquid
Appearance and Odor	Black Paste/Slight Medicinal		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media Use water fog, dry chemical, foam, CO2.			
Special Fire Fighting Procedures Self-contained breathing apparatus & protective clothing should be worn in fighting fires involving chemicals			
Unusual Fire and Explosion Hazards Container may rupture if heated above 130F			

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid	High temperatures
	Stable	X		
Incompatibility (Materials to Avoid)				
Oxidizing materials can cause a reaction. Air or moisture causes curing & acetic acid vapors form.				
Hazardous Decomposition products				
Metal oxides, silicon dioxide, carbon dioxide, traces of incompletely burned carbon products, includes formaldehyde.				
Hazardous	May Occur		Conditions to Avoid	None
Polymerization	Will Not Occur	X		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

No injury from silica dust should occur during reasonable use. If use creates respirable particles, some respiratory systems injury may occur. This product, as with any chemical, may enhance allergic conditions in certain people. No known chronic health effects, but unnecessary exposure to any chemical should be avoided. Cured sealant is non-hazardous.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Presently not on any list.			

Signs and Symptoms of Exposure

Swallowing large amounts may cause digestive discomfort. Vapor overexposure may irritate nose, throat, and eyes seriously with moderate corneal injury and considerable redness lasting a week or more.

Medical Conditions Generally Aggravated by Exposure

None known.

Emergency and First Aid Procedure

Flush eyes and skin with water for 15 minutes. Remove to fresh air.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Remove product and contain for salvage disposal.

Waste Disposal Method

Dispose in accordance with local, state, and federal regulations.

Precautions to be Taken in Handling and Storage

Keep away from heat, sparks, or open flame. Store at temperatures below 120°F.

Other Precautions

When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

None needed.

Ventilation	Local Exhaust	Yes	Special	None
	Mechanical(General)	None	Other	None

Protective Gloves

Rubber or plastic.

Eye Protection

Wear eye protection.

Other Protective Clothing or Equipment

None

Work/Hygienic Practices

Remove contaminated clothing and shoes and clean thoroughly before reuse. Wash hands after handling.

This information was compiled from current, reliable sources and is believed to be correct. Because data and/or regulations change and the conditions of product use and handling are beyond our control, no warranty, express or implied, is made as to the completeness or continuing accuracy of this information.