



G.W. SMITH & SONS INC

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MATERIAL SAFETY DATA SHEET

PROTECT-O-METAL

Phone #	937-253-5114	Date Prepared	05/16/08
Emergency #	937-253-5114	Supersedes	11/02/07
Prepared by:	Dr. Matthew LoCoco		

SECTION 1 CLASSIFICATIONS

PRODUCT NAME OR NUMBER.....	PROTECT-O-METAL
FORMULA.....	Proprietary
CHEMICAL FAMILY.....	Slurry of inert minerals in water
NFPA.....	N/Available
HMIS RATING.....	Health 1
	Flammability 0
	Reactivity 0
	Personal Protection C

SECTION 2 HAZARDOUS INGREDIENTS/ DATA

<u>CHEMICAL NAMES</u>	<u>CAS NUMBER</u>	<u>%WT</u>	<u>TLV-TWA</u>	<u>PEL</u>
Calcium Carbonate	1317-65-3	40 - 50	10 mg / m ³	15 mg / m ³

THIS PRODUCT IS NOT A HAZARDOUS CHEMICAL AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200

SECTION 3 NON-HAZARDOUS INGREDIENTS

Proprietary

SECTION 4 PHYSICAL DATA

BOILING / MELTING POINT @ 760 mm Hg.....	212 F.
pH (10%).....	N/A
VAPOR PRESSURE mm Hg @ 20°C.....	Equals Water
VAPOR DENSITY (AIR =1).....	Equals Water
SOLUBILITY IN WATER.....	Nil
PERCENT VOLATILE BY WT (%).....	Non Volatile

SECTION 4 CONT.

SPECIFIC GRAVITY.....	<1
EVAPORATION RATE (WATER =1).....	1
APPEARANCE.....	Grey paste
ODOR.....	Mild

SECTION 5 **FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT °F (TEST METHOD).....	None
AUTOIGNITION TEMP.....	N/A
FLAMMABILITY LIMITS IN AIR (% V).....	N/A
EXTINGUISHING MEDIA.....	N/A
SPECIAL FIRE FIGHTING PROCEDURES	None
UNUSUAL FIRE & EXPLOSION HAZARDS.....	When subjected to high heat, water content can boil and burst container.

**SECTION 6 **HEALTH HAZARD DATA
(EFFECTS OF OVER EXPOSURE)****

SKIN CONTACT.....	May cause light skin irritation
EYE CONTACT.....	May cause severe irritation, and possible damage.
INHALATION.....	Dust is irritant to nose and throat and over-exposure may cause coughing or dyspnea.
INGESTION.....	May cause gastronomic pain, vomiting & diarrhea.
CHRONIC EFFECTS OF OVEREXPOSURE.....	N/Available
TOXICOLOGICAL TEST DATA.....	N/Available

SECTION 7 **EMERGENCY AND FIRST AID PROCEDURES**

SKIN.....	Wash skin with plenty of soapy water
EYES.....	Irrigate with flowing water for at least 15 minutes
INGESTION.....	Contact physician.
INHALATION.....	Remove victim to fresh air, and administer oxygen if needed.

SECTION 8 REACTIVITY DATA

PRODUCT STABILITY.....	Stable
CONDITIONS TO AVOID.....	Stable up to boiling point of 825 C., where decomposition occurs.
INCOMPATIBILITY (materials to avoid)	Acids, fluorine, alum, or ammonium salts.
HAZARDOUS DECOMPOSITION PRODUCTS....	May include oxides of carbon and calcium.
HAZARDOUS POLYMERIZATION.....	Will not occur

SECTION 9 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....	If PEL or TLV is exceeded for airborne dust, use approved dust respirator.
VENTILATION.....	As required.
PROTECTIVE CLOTHING.....	Chemical resistant gloves
EYE PROTECTION.....	Safety Goggles
OTHER PRECAUTIONS.....	Use good hygiene practice. Wash skin before eating, drinking, or smoking. Eyewash fountains should be easily accessible.

SECTION 10 OTHER PRECAUTIONS

If dry coating is removed, avoid dust by removal with damp cloth or hose off with water.

SECTION 11 ENVIRONMENTAL DATA

ENVIRONMENTAL TOXICITY DATA.....	N/Available
SPILL OR LEAK PROCEDURES.....	Prevent material from entering public waterways and sewer systems. Scoop back into container. Hose off area with water to prevent slipping.
HAZARDOUS SUBSTANCE SUPERFUND.....	No
WASTE DISPOSAL METHOD.....	In accordance of local, state and federal regulations
HAZARDOUS WASTE (40CFR 261).....	No

SECTION 12 SHIPPING DATA

D.O.T. PROPER SHIPPING NAME.....	Welding Compound
HAZARDOUS SUBSTANCE 49CFR CERCLA.....	N/A
D.O.T. HAZARD CLASS.....	N/A
D.O.T. LABELS REQUIRED.....	Not Regulated
UN/NA CODE.....	N/A

SECTION 13 SARA III INFORMATION

LISTED BELOW ARE THE HAZARD CATEGORIES FOR THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) SECTION 311/312 (40CFR 370)

IMMEDIATE HAZARD:	N/A
DELAYED HAZARD:	N/A
FIRE HAZARD:	N/A
PRESSURE HAZARD:	N/A
REACTIVITY HAZARD:	N/A

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE ANNUAL TOXIC CHEMICAL RELEASE REPORTING REQUIREMENTS OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) SECTION 313 (40 CFR 372):

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS WHICH ARE LISTED AS EXTREMELY HAZARDOUS SUBSTANCES AND IS THE SUBJECT TO THE NOTIFICATION AND INVENTORY REPORTING REQUIRMENTS OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) SECTION 302 (40 CFR 355) AND SECTION 311/312:

NONE

SECTION 14 MISCELLANEOUS INFORMATION

None

SECTION 15 SUPPLIER INFORMATION

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