

MATERIAL SAFETY DATA SHEET

IDENTITY

(As Used on Label and List)

GRIP-N-SLIP (CAT. # 15907)

SECTION I – Manufacturer/Product Identification:

Manufacturer's (Distributor's) Name:

Creative Craftsmen Co., Inc.
27625 Diehl Road
Warrenville, Illinois 60555-3838

Emergency Telephone Number:

888- 215-4878

Information Telephone Number:

630-836-1353 Toll Free: 800-323-5668

Trade Name: GRIP-N-SLIP MANDREL COATING

Product Type: Primer for mandrels

Chemical Family: Alumina

Date Prepared: 11/04/10

Revision: New

Prepared By: Satterfield Consulting

SECTION II – Hazardous Ingredients Information:

The information contained herein is believed to be correct and reliable. However, no warranty is expressed or implied regarding the accuracy of this data, and none is made as to the marketability of the material or its fitness for any purpose. The consumer accepts the responsibility of and the conditions for liability of use of the product.

This product contains material that may be hazardous when airborne as a particulate.

HAZARDOUS COMPONENTS^a:

(Specific Chemical Identity;

Common Name)

Common Name	CAS Number	SARA ^b	OSHA PEL ^c (mg/m ³) ^d	ACGIH TLV ^e (mg/m ³)	NOTES	PERCENT ^f
Alumina (Aluminum Oxide)	1344-28-1		5 15	1 10	Respirable AI Total Dust	NA
EPK (Kaolin)	1332-58-7		5 15	2 ---	Respirable Total Dust	NA
Silica-Crystalline (Quartz)	14808-60-7		1.0 ^g 3.1 ^g	0.025 10	Respirable ACGIH (Inhalable)	NA
Zircon (Zirconium Silicate)	14940-68-2		5 ---	5 10	Total STEL	NA
Water	7732-18-5		---	---	---	NA

Notes:

- The term "Hazardous" is defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200) and does not necessarily imply the existence of any hazard. All components at concentrations equal to or greater than 1.0 percent (0.1 percent if a carcinogen) are listed in this section, according to OSHA 29 CFR 1910.1200.
- An asterisk (*) indicates a toxic chemical subject to the EPA's reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and 40 CFR Part 372.
- These permissible exposure limits (PELs) are based on OSHA's rulemaking (29 CFR 1910 Subpart Z) adopted on May 29, 1971, and are the current regulatory limits, unless otherwise noted. Consult the OSHA regulations for particulate (29 CFR 1910.1000) for additional requirements.
- These values are reported as milligrams of contaminant per cubic meter of air (mg/m³).
- These values are based on the American Conference of Governmental Industrial Hygienists (ACGIH) 2010 TLVs.
- Approximate percent by weight values. The amount of each ingredient in this product is confidential and deemed proprietary. Contact the manufacturer for additional information.
- The OSHA permissible exposure level for respirable and total mineral dusts containing silica are based on formulas established by OSHA in Table Z, Mineral Dusts, of 29 CFR 1910.1000.
- NA = Not Available or Not Applicable

SECTION III – Physical/Chemical Characteristics:

BOILING POINT:	ND	VAPOR DENSITY (Air = 1)	NA
MELTING POINT:	ND	VAPOR PRESSURE (mm Hg):	NA
SPECIFIC GRAVITY:	Less than 1.5 (H ₂ O = 1)	EVAPORATION RATE	
Bulk Density:	12.3 lbs/gallon	(Butyl Acetate = 1):	NA
pH:	NA		
APPEARANCE AND ODOR:	Ivory slurry. No odor.	SOLUBILITY IN WATER:	Insoluble.

SECTION IV – Fire and Explosion Hazard Data:

FLASH POINT (Method Used):	NA	This product is nonflammable and will not support combustion. Significant airborne concentrations of dust can create flammable/explosive conditions.		
FLAMMABLE LIMITS:	LEL:	NA	UEL:	NA
AUTOIGNITION TEMPERATURE	NA			
EXTINGUISHING MEDIA:	Use extinguishing media appropriate for surrounding fire including carbon dioxide, dry chemical, foam, halon, or water mist.			
SPECIAL FIRE FIGHTING PROCEDURES:	Wear appropriate protection for the surrounding fire. When fighting chemical fires wear self-contained breathing apparatus and full protective clothing. Do not release runoff to sewers and waterways.			
UNUSUAL FIRE AND EXPLOSION HAZARDS:	When subjected to heat and flames, toxic gases such as aluminum and zirconium oxides and crystalline silica may be released.			

SECTION V – Reactivity Data:

STABILITY:	Stable:	X	Unstable:	
Conditions to Avoid:	None			
INCOMPATIBILITY (Materials to Avoid):	Chlorine Trifluoride reacts violently with Aluminum Oxide producing a flame. No other incompatibilities are known.			
HAZARDOUS POLYMERIZATION:	May Occur:		Will Not Occur:	X
Conditions to Avoid:	None known.			
DECOMPOSITION PRODUCTS:	None known under normal handling and storage conditions.			

SECTION VI – Health Hazard Data:

ROUTE(S) OF ENTRY:	Skin/Eye	Skin		
Inhalation:	Yes	Contact:	Yes	Absorption: No Ingestion: Unlikely

HEALTH HAZARDS (Acute and Chronic):**Acute (Short-Term) Effects:**

Inhalation: Mist and dust inhalation may be harmful to the respiratory system. Respiratory tract irritation possible from inhalation of mist and dust due to physical nature of particulates. Exposure to airborne mist and particulate may cause coughing and shortness of breath.

Eye and skin contact: Dust and mist exposure may cause mechanical irritation to eyes and abrasion to skin.

Chronic (Long-Term) Effects:

Repeated and prolonged inhalation of dust and mist may cause impaired lung function. Smoking aggravates the effects of excessive exposure to particulate. Crystalline silica is considered a lung toxin. Long-term overexposure to particulate containing crystalline silica may cause fibrosis and lung cancer. Long-term overexposure to particulate containing amorphous silica may cause pneumoconiosis (lung inflammation potentially leading to fibrosis).

Tuberculosis: Silicosis increases the risk of tuberculosis.

SECTION VI – Health Hazard Data (Continued):

Autoimmune Diseases: There is evidence that exposure to respirable crystalline silica (without silicosis) or that the disease silicosis may be associated with the increased incidence of several autoimmune disorders including scleroderma, systematic lupus erythematosus, rheumatoid arthritis and diseases affecting the kidneys.

Nephrotoxicity: There is evidence that exposure to respirable crystalline silica (without silicosis) or that the disease silicosis is associated with the increased incidence of kidney diseases, including end stage renal disease.

CARCINOGENICITY: NTP: Yes IARC: Yes OSHA REGULATED: Yes

* * This product contains an ingredient that is designated as a carcinogen by IARC, NTP, or OSHA. Crystalline silica is listed in the National Toxicology Program (NTP) Annual Report on Carcinogens, is in the International Agency for Research on Cancer (IARC) Monographs and is also considered a carcinogen by OSHA.

** **WARNING:** This product contains or produces a chemical known to the State of California and other states, if applicable, to cause cancer.

SIGNS AND SYMPTOMS OF EXPOSURE: Skin, eye and respiratory tract irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Individuals with preexisting conditions of the lungs may have increased susceptibility to the toxicity of excessive exposure including people with upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema, and asthma. People who smoke and are exposed to respirable forms of crystalline silica are at a significantly higher risk of developing lung-related problems than people who do not smoke. People with skin rashes.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Exit to fresh air. Support breathing as needed. If conditions persist, seek medical attention.

Eyes: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Skin: Remove contaminated clothing and wash affected area with plenty of soap and water. If redness or irritation develops, seek medical attention. Discard or decontaminate clothing before reuse.

Ingestion: No specific intervention is indicated. Do not induce vomiting. Material is classified as non-toxic. Seek medical attention if necessary.

Note to Physician: Potential dust and mist exposure is of concern. Product contains crystalline silica.

SECTION VII – Precautions for Safe Handling and Use:**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Caution: This material is in the form of a slurry and is slippery on surfaces. Do not leave spills on floors unattended. Barricade spill area until cleanup is complete. Avoid stepping in spilled material.

Contain the spill using appropriate spill containment materials including absorbents such as paper and cloth towels.

During clean up of dried material avoid creating airborne dust (e.g., use wet methods, or HEPA vacuum). Where product is dry and may become airborne utilize appropriate personal protective equipment such as a NIOSH approved air-purifying respirator equipped with filters approved for particulate (P-100), and protective clothing. For dry product, prevent the spread of the material and keep dust levels to a minimum. Wet the dried material, scoop up, vacuum or mop the material, and place it into closed containers for reuse or disposal. Once material is swept up, the area may be rinsed with water.

If an emergency situation exists, contact spill response personnel.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and/or federal regulations. This material is not classified as a hazardous waste and is not regulated under RCRA. Small amounts and cleanup debris can be disposed of as regular waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

When not in use, store in tightly closed containers in a dry, cool area. If material has dried out add water to maintain slurry consistency. Keep floors clean and dry. Use only with adequate ventilation that keeps dust/mist levels below the permissible exposure limit (PEL). Handle so as not to create airborne dust. Avoid breathing dust. Utilize appropriate NIOSH-approved respirator if airborne dust exposures are above PEL.

Handle with care. Avoid unnecessary eye and prolonged skin contact. Wash thoroughly after handling.

SECTION VII – Precautions for Safe Handling and Use (Cont.):

PRECAUTIONS TO BE USED DURING REPAIR AND MAINTENANCE: Not Applicable

OTHER PRECAUTIONS: Do not allow material to dry out. Keep work surfaces clean. Work on newspaper or paper towels for easy cleanup. Clean surfaces with wet sponge, rinsing frequently. Do not dry sweep.

SECTION VIII – Control Measures:**VENTILATION:**

Local Exhaust: If necessary, use enclosures with local exhaust ventilation to keep exposures below PELs.

Mechanical: If necessary to keep dust levels below PELs. Recommended for confined areas and when handling dry material.

Special: NA.

RESPIRATORY PROTECTION (Specify Type): Under normal conditions of use no respiratory protection is needed. Where exposure above the OSHA PEL is likely, utilize a NIOSH approved dust mask, or a half-mask or full-facepiece air-purifying respirator (APR) equipped with filters approved for particulate and mist. APRs do not protect workers in oxygen deficient atmospheres.

PROTECTIVE GLOVES: No hand protection is needed under normal conditions of use. During extended periods of use when excessive skin contact is likely, wear appropriate gloves to protect from abrasive dust and mist.

EYE PROTECTION: Safety glasses with side shields or goggles. Cover goggles are recommended in dusty areas.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No skin protection is needed under normal conditions of use. During extended periods of use when excessive skin contact is likely, wear appropriate equipment to protect skin.

SAFETY STATIONS: Make available in the work area emergency eyewash stations, and washing facilities.

WORK/HYGIENIC PRACTICES: Avoid skin and eye contact. Avoid breathing dust and mist. Practice good personal hygiene. Do not eat, drink, smoke, or apply cosmetics in work areas. Wash face and hands prior to eating, drinking or other hand-to-mouth activities. Launder contaminated clothing before reuse.

SECTION IX – Transportation Data:

DOT Proper Shipping Name: Not Regulated by DOT

UN Hazard Class:

UN Number:

DOT Label:

SECTION X – Label Information:

SUBSTANCE IDENTITY: Grip-N-Slip (CAT # 15907)

CAUTION: Avoid generating and breathing particulate.

HEALTH HAZARDS: This product contains crystalline silica which in respirable size is known to cause lung cancer. In particulate form this product is an eye, skin, nose and throat irritant.

ROUTES OF ENTRY:

Inhalation: YES **Skin/Eye Contact:** YES **Skin Absorption:** NO **Ingestion:** Unlikely

SECTION XI – Generic Label Information:

SUBSTANCE IDENTITY: Grip-N-Slip (CAT. # 15907)

HMIS LABEL CODE:

Health = 3
 Flammability = 0
 Reactivity = 0
 Personal Protection = E

HEALTH HAZARDS:

Toxic	<u> X </u>	Corrosive	<u> </u>
Highly Toxic	<u> </u>	Sensitizer	<u> </u>
Irritant	<u> X </u>	Carcinogen	<u> X </u>

IMMEDIATE AND DELAYED TARGET ORGAN EFFECTS:

Cutaneous Hazard (Skin Damage)	<u> X </u>	Eye Hazard	<u> X </u>	Pulmonary Disfunction (Lung Damage)	<u> X </u>
Neurotoxin (Nervous Sys. Damage)	<u> </u>	Nephrotoxin (Kidney Damage)	<u> X </u>	Hepatotoxin (Liver Damage)	<u> </u>
Reproductive Toxin (Birth Defect, Sterility)	<u> </u>	Hematopoietic (Blood Sys. Damage)	<u> </u>		

ROUTES OF ENTRY:

Ingestion: Unlikely Inhalation: X Skin Absorption: No Skin/Eye Contact: X

PHYSICAL HAZARDS:

Combustible Liquid	<u> </u>	Compressed Gas	<u> </u>	Explosive	<u> </u>
Flammable Gas	<u> </u>	Flammable Liquid/Solid	<u> </u>	Organic Peroxide	<u> </u>
Oxidizer	<u> </u>	Pyrophoric	<u> </u>	Unstable (Reactive)	<u> </u>
Water reactive	<u> </u>				

SECTION XII – Disclaimer:

Creative Craftsmen Co. Inc. expressly disclaims all expressed or implied warranties for merchantability and fitness for a particular purpose, with respect to the product or information provided herein.

All information appearing herein is based upon data obtained from suppliers of the raw materials. While the information is believed to be accurate, Creative Craftsmen Co. Inc. makes no representation as to its accuracy or sufficiency. Conditions of use are beyond Creative Craftsmen Co. Inc. control. Therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes. Users assume all risks of their use, handling, and disposal of the product, or from the publication, or use of, or reliance upon, information contained herein. This information relates only to the product designated here and does not relate to its use in combination with other material or in any other process. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

END OF MSDS