



**SAFETY DATA SHEET**

Plumber Rolls  
United Abrasives SDS #5

**1. IDENTIFICATION**

**Product Identity / Trade Name:** Plumber Rolls

**Product Use:** Abrasive materials used for sanding metals, concrete, masonry and building materials.

**Restriction on Use:** Use only as directed

**Manufacturer:** United Abrasives, Inc.  
185 Boston Post Road  
North Windham, CT 06256

**Internet:** www.unitedabrasives.com

**Information Phone:** (860) 456-7131 **Emergency Phone:** (860) 456-7131

**Date of Preparation:** September 21, 2015

**2. HAZARD(S) IDENTIFICATION**

**Classification:**

Physical	Health
Not Hazardous	Eye Irritation Category 2B

**Hazards not otherwise classified:** None

**Label Elements:**

**Signal word**

Warning

**Hazard statement(s)**

H320 Causes eye irritation.

**Precautionary statement(s)**

P264 Wash thoroughly after handling.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical attention.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical name	CAS No.	Concentration
Cured Resin, Urea-Formaldehyde polymer	9011-05-6	10-30
Cured Resin, Phenol-Formaldehyde polymer	9003-35-4	5-30
Aluminum Oxide	1344-28-1	0-50
Cotton Cloth Backing	N/A	0-30
Limestone	1317-65-3	0-25
Kaolin Clay	1332-58-7	0-15

The specific identity and/or exact percentage has been withheld as a trade secret.

#### 4. FIRST-AID MEASURES

**Ingestion:** No need for first aid is anticipated. If symptoms develop, obtain medical attention.

**Inhalation:** Blow nose to remove substance from nasal passages. Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention

**Eye Contact:** Do NOT rub eyes. Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation persists, obtain medical attention..

**Skin Contact:** No need for first aid is anticipated for non-abrasive exposure to product. If reddening develops and/or persists, obtain medical attention.

**Most important symptoms/effects, acute and delayed:** Causes eye irritation.

**Indication of immediate medical attention and special treatment, if necessary:** Immediate medical attention is generally not required.

#### 5. FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** Use water spray, carbon dioxide, alcohol-resistant foam or dry chemical. Do not use halocarbon extinguishers on fire.

**Specific hazards arising from the chemical:** Product is flammable when exposed to direct flame. During proper, recommended use of this product, no flammability hazard exists. Consideration must be given to the potential fire or explosion hazards from the base material being processed. Many materials create flammable or explosive dusts or turnings when sanded, machined or ground. Combustion may produce oxides of carbon, aluminum, calcium, nitrogen and silicon.

**Special protective equipment and precautions for fire-fighters:** Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Wear appropriate respirator and protective clothing as needed to avoid eye contact and inhalation of dust. Avoid breathing dust. Ensure adequate ventilation.

**Environmental precautions:** No special environmental precautions required. Report releases as required by local, state and federal authorities.

**Methods and materials for containment and cleaning up:** Pick up and arrange disposal without creating dust. Inspect product for torn or damaged areas. Do not use if product is torn or damaged. Dispose of contaminated material according to Section 13.

#### 7. HANDLING AND STORAGE

**Precautions for safe handling:** Ensure adequate ventilation. Avoid breathing of dust created while sanding, grinding or machining - use dust respirator while using product. Avoid contact with skin, eyes and clothing. Damaged product can break apart during use and cause serious bodily injury, specifically to the eyes - use safety glasses while using product. Check product for damages such as tears or cracks prior to use. Do not use damaged product. Comply with RPM rating specified on this product. Comply with ANSI B7.1-2010 Safety Requirements for the Use, Care and Protection of Abrasive Wheels (if applicable). Combustible dust may be formed as a result of using this product. Take care to not let generated dust accumulate. Accumulated dust may present an explosive hazard when dispersed in sufficient concentration while near an ignition source. Collect dust and dispose of regularly.

**Conditions for safe storage, including any incompatibilities:** Keep away from heat, sparks and flames. Store in a dry place - keep away from moisture. Store at temperatures between 40-90 °F at 30-80% relative humidity. Store away from strong acids, strong bases, strong oxidizing agents, chlorine trifluoride, ethlene oxide,

halogenated hydrocarbons, oxygen difluoride, sodium nitrate, vinyl compounds, nitrates, pure aluminum, magnesium and halogens.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure guidelines:

Cured Resin, Urea-Formaldehyde polymer	None Established
Cured Resin, Phenol-Formaldehyde polymer	None Established
Aluminum Oxide	5 mg/m3 ACGIH TLV (respirable fraction) (as Al metal) 15 mg/m3 TWA OSHA PEL (total dust) 5 mg/m3 TWA OSHA PEL (respirable fraction)
Cotton Cloth Backing	None Established
Limestone	15 mg/m3 TWA OSHA PEL (total dust) 5 mg/m3 TWA OSHA PEL (respirable fraction)
Kaolin Clay	15 mg/m3 TWA OSHA PEL (total dust) 5 mg/m3 TWA OSHA PEL (respirable fraction) 2 mg/m3 TWA ACGIH TLV (respirable)

Note: Consider also components from base materials and coatings.

**Appropriate engineering controls:** Use local exhaust or general ventilation as required to minimize exposure to dust and maintain the concentration of contaminants below the occupational exposure limits.

**Individual protection measures, such as personal protective equipment:** Safety glasses, gloves and dust respirator are recommended. Type of protective equipment should be selected based on ventilation conditions and other conditions of use of this material.

**Respiratory protection:** Use a NIOSH dust mask according to 24 CFR 1910.134. Full-face dust respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep exposure limits below defined thresholds.

**Skin protection:** Cloth or leather gloves recommended. Handling material with gloves is not required, but strongly recommended in order to prevent accidental secondary contact with eyes. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and practices.

**Eye protection:** When using material use safety glasses, gloves, and dust respirator according to HMIS PP, E. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Other:** Protective clothing as needed to prevent contamination of personal clothing. Hearing protection may be required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (physical state, color, etc.):** Cloth, paper or screen coated with abrasive material

**Odor:** Faint Odor

<b>Odor threshold:</b> Not applicable	<b>pH:</b> Not applicable
<b>Melting point/freezing point:</b> Not applicable	<b>Boiling Point:</b> Not applicable
<b>Flash point:</b> Not applicable	<b>Evaporation rate:</b> Not applicable
<b>Flammability (solid, gas):</b> Not combustible	
<b>Flammable limits: LEL:</b> Not applicable	<b>UEL:</b> Not applicable
<b>Vapor pressure:</b> Not applicable	<b>Vapor density:</b>
<b>Relative density:</b> Not applicable	<b>Solubility(ies):</b> Not soluble
<b>Partition coefficient: n-octanol/water:</b> Not applicable	<b>Auto-ignition temperature:</b> Not applicable

**Decomposition temperature:** Not applicable

**Viscosity:** Not applicable

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** None known.

**Conditions to avoid:** Avoid incompatible materials, flames, ignition sources and moisture.

**Incompatible materials:** Strong acids, strong bases, strong oxidizing agents, chlorine trifluoride, ethlene oxide, halogenated hydrocarbons, oxygen difluoride, sodium nitrate, vinyl compounds, nitrates, pure aluminum, magnesium and halogens..

**Hazardous decomposition products:** Dust from sanding could contain ingredients listed in Section 3 and other, potentially more hazardous components of the base material being ground or coatings applied to the base material. Thermal decomposition may produce aluminum oxides, calcium oxides, carbon oxides, nitrogen oxides (NOx) and silicon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Routes of exposure:**

**Inhalation:** Dust may cause respiratory irritation.

**Ingestion:** None expected under normal use conditions. Swallowing large pieces may cause obstruction of the gastrointestinal tract.

**Skin contact:** The product itself does no present hazards when used correctly. Rubbing product across the skin may cause mechanical irritation or abrasions.

**Eye contact:** The product itself does no present hazards. Dust may cause eye irritation. Dust particles may cause abrasive injury to the eyes.

**Chronic effects from short- and long-term exposure:** Long-term overexposure to respirable dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminished breathing capacity. Chronic effects may be aggravated by smoking. Prolonged exposure to elevated noise levels during operations may affect hearing. A greater hazard, in most cases, is the exposure to the dust/fumes from the material or paint/coatings being ground. Most of the dust generated during grinding is from the base material being ground and the potential hazard from this exposure must be evaluated.

**Numerical measures of toxicity:**

LD50 Oral - Rat: > 2,900 mg/kg

LD50 Dermal - Rabbit: > 20,800 mg/kg

LC50 Inhalation - Rat: > 2.3 mg/l (4 h)

**Carcinogenicity:** None of the components are listed as a carcinogen or potential carcinogen by OSHA, NTP or IARC.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

No data available

**Persistence and degradability:** Biodegradation is not applicable to inorganic compounds.

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available.

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## 13. DISPOSAL CONSIDERATIONS

Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material. Consult all applicable authorities and regulations to ensure proper classification. Any abraded material remaining on used product (from the substrate being abraded) may need to be considered as a factor in the disposal classification, method or handling of used product.

**14. TRANSPORT INFORMATION**

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated	None	None	
TDG	None	Not Regulated	None	None	

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** None identified.

**15. REGULATORY INFORMATION**

**SARA Section 311/312 Hazard Categories:** Not Hazardous

**SARA Section 313:** This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Toxic Chemical Release Reporting): None

**California Proposition 65:** WARNING! You create dust when you cut, sand, drill or grind materials such as wood, paint, cement, masonry or metal. This dust often contains chemicals known to cause cancer, birth defects or other reproductive harm.

**16. OTHER INFORMATION**

**NFPA Rating:** Health = 1      Flammability = 0      Instability = 0  
**HMIS Rating:** Health = 1      Flammability = 0      Physical Hazard = 0

**Date Previous Revision:** 3/31/15

**Date This Revision:** 9/21/15

**Revision Summary:**

12/14/12: Section 8 Exposure Limits; Comprehensive review.

3/31/15: Changed all sections. Updated format to GHS.

9/21/15; Revised formulation. All section revised

The preceding information is believed to be correct and current as of the date of preparation of this Material Safety Data Sheet. Since the use of this information and the conditions of use of this product are not within the control of United Abrasives, Inc., it is the user's obligation to assure safe use of this product.