MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet (MSDS) complies with the requirements of OSHA’s Hazard Communication Standard.

ALUMINUM OXIDE RESIN BONDED GRINDING WHEEL

Emergency Phone Number: 866-734-3438
Date: April 30, 2006
Product Information Number: 888-838-0615

SECTION 1 – PRODUCT IDENTIFICATION

Product Name/Class: Aluminum Oxide Resin Bonded Grinding Wheel
Product Number: 004026
Manufacturer: Radnor Welding Products 259 N. Radnor-Chester Road Suite 100 Radnor, PA 19087-5283

SECTION 2 – HAZARDOUS INGREDIENTS

Material | CAS Number | % By Weight | ACGIH TLV | OSHA
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Aluminum Oxide, Non-fibrous | 1344-28-1 | 90 - 95 | 10 Mg/M3 | 15 Mg/M3
Cured Phenol Formaldehyde Resin | 9003-35-4 | 3 - 6 | ND | ND
Fiberglass | 65997-17-3 | 1 - 3 | ND | ND
Iron Disulphide | 12068-85-8 | 1 - 3 | ND | ND

ND = No data available.

SECTION 3 – PHYSICAL CHARACTERISTICS

Boiling Point: Specific Gravity (H2O = 1): Solubility in Water:
N/A | N/A | N/A
Vapor Pressure (mm Hg): Melting Point: %Volatile:
N/A | N/A | N/A
Vapor Density (Air = 1): Evaporation Rate (Butyl Acetate=1):
N/A | Appearance and Odor: Solid article. Odorless
Extinguishing Media: N/A

SECTION 4 – FIRE and EXPLOSION HAZARD DATA

Flash Point (Method Used): Flammable Limits:
N/A | LEL: N/A UEL: N/A
Respiratory Protection

SECTION 5 – REACTIVITY DATA

Stability: Unstable
Incompatibility (Materials to Avoid): Acids of all types with a pH of less than 4.0

 SECTION 6 – HEALTH HAZARD DATA

Routes of Entry: Inhalation, Skin, Ingestion, Eyes
Health Hazards (Acute and Chronic): Acute: Dust may irritate to eyes and respiratory tract at high concentrations. Chronic: May affect breathing capacity or aggravate existing respiratory disorders. Dust generated during use may contain traces of phenol and formaldehyde, which, under excessive exposure, may cause skin sensitization and airway obstruction. For products containing inorganic fluorides, excessive exposure has been shown to increase bone density. No known adverse effects associated with ingestion, but ingestion not recommended.

Carcinogenicity: The composition of dust/particulate matter are dependent upon several factors that are unknown and unknowable to the product manufacturer, and depend largely upon the composition of the work-piece on which this product is used, and any coating that may have been applied (see Section 3). Always assume that such particulates may contain toxic and/or carcinogenic materials, and follow sound Work/Hygiene practices as recommended by ANSI Z49.1. Under normal handling conditions, the product presents no health hazards.

Signs and Symptoms of Exposure: Short-term (acute) overexposure may result in discomfort such as irritation of nose, throat, or eyes. Some may experience skin irritation. Long-term (chronic) overexposure to dust may result in respiratory tract disorders.

Medical Condition Aggravated by Exposure: May aggravate pre-existing respiratory problems (e.g. asthma, emphysema).

Emergency and First Aid Procedures: Call for medical aid. Employ first aid techniques recommended by the American Red Cross. IF BREATHING IS DIFFICULT give oxygen. IF NOT BREATHING employ CPR (Cardiopulmonary Resuscitation) techniques. Flush eyes with water. Vacuum off excess dust from skin. Wash well with soap and water. Remove to fresh air. If ingested, call poison control center, hospital emergency room or physician immediately.

HMIS Rating
Health = 1
Flammability = 0
Reactivity = 0
NFP A Rating
Health = 1
Flammability = 0
Reactivity = 0

NFPA Scale
Health = 1
Flammability = 0
Reactivity = 0

NFPA Scale
Health = 1
Flammability = 0
Reactivity = 0


SARA Title III Notification Information: All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super Fund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.