

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY / TRADE NAME: GRINDING WHEELS, RESINOID - 4 1/2" + 9"

MANUFACTURER: UNITED ABRASIVES INC.

ADDRESS: P.O. BOX 75, ROUTE 66, WILLIMANTIC, CT 06226

INFORMATION PHONE NUMBER: 203-456-7131

EMERGENCY PHONE NUMBER: 203-456-7131

INGREDIENTS:

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV
ALUMINUM OXIDE	1344-28-1	15 MG/M3	10 MG/M3 *
AND/OR CUBITRON	1344-28-1	15 MG/M3	10 MG/M3 *
AND/OR SILICONE CARBIDE	409-21-2	15 MG/M3	10 MG/M3 *
AND/OR ZIRCONIUM OXIDE	7440-67-2	5 MG/M3	5 MG/M3
CURED PHENOLIC RESIN	N/A	NONE EST.	NONE EST.
AND/OR CALCIUM CARBONATE	1317-65-3	15 MG/M3	10 MG/M3 *
AND/OR CARBON BLACK	1333-86-4	3.5 MG/M3	3.5 MG/M3
AND/OR WOVEN FIBERGLASS	N/A	15 MG/M3	10 MG/M3 *
AND/OR IRON SULFIDE	1317-37-9	15 MG/M3	10 MG/M3 *

* INERT OR NUISANCE DUST - TOTAL DUST

BOILING POINT: N/A

SOLUBILITY IN WATER: N/A

SPECIFIC GRAVITY: N/A

VAPOR PRESSURE (mm Hg) N/A

VAPOR DENSITY (AIR = 1) N/A

EVAPORATION RATE N/A

(ETHER = 1)

APPEARANCE AND ODOR: SOLID WHEEL, BLACK COLOR, ODORLESS

PHYSICAL HAZARD DATA:

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: ANY MEDIA APPROPRIATE FOR SURROUNDING FIRE

SPECIAL FIREFIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE FROM THIS PRODUCT, HOWEVER, CONSIDERATION MUST BE GIVEN TO THE POTENTIAL FIRE/EXPLOSION HAZARD FROM THE BASE MATERIAL BEING PROCESSED. MANY MATERIALS CREATE FLAMMABLE/EXPLOSIVE DUSTS OR TURNINGS WHEN MACHINED OR GROUND.

REACTIVITY/INCOMPATIBILITY (MATERIALS OR CONDITIONS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: DUST FROM GRINDING COULD CONTAIN INGREDIENTS AS LISTED IN SECTION 2 AND OTHER POTENTIALLY MORE HAZARDOUS COMPONENTS OF THE BASE MATERIAL BEING GROUND OR COATINGS APPLIED TO THE BASE MATERIAL.

SPECIAL STORAGE PRECAUTIONS: STORE IN ACCORDANCE WITH ANSI B7.1

HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE: RESPIRATORY AND EYE IRRITATION

CHRONIC EFFECTS OF OVEREXPOSURE: LONG-TERM EXCESSIVE EXPOSURE MAY RESULT IN A CHRONIC PULMONARY CONDITION (FIBROSIS) WHICH IS AGGRAVATED BY SMOKING. ELEVATED NOISE LEVELS MAY AFFECT HEARING.

SIGNS AND SYMPTOMS OF EXPOSURE: COUGHING, SHORTNESS OF BREATH, RESPIRATORY IRRITATION, DIMINISHED BREATHING CAPACITY. A GREATER HAZARD IN MOST CASES, HOWEVER, IS THE EXPOSURE TO DUST/FUMES FROM THE MATERIAL OR PAINT/COATINGS BEING GROUND. A MAJORITY OF THE DUST GENERATED DURING GRINDING IS FROM THE BASE MATERIAL BEING GROUND AND THE POTENTIAL HAZARD FROM THIS EXPOSURE MUST BE EVALUATED.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: RESPIRATORY DISEASE

PRIMARY ROUTE(S) OF EXPOSURE: INHALATION, EYES

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: OSHA: NO

NATIONAL TOXICOLOGY PROGRAM: NO I.A.R.C. MONOGRAPHS: NO

FIRST AID: INHALATION - REMOVE TO FRESH AIR, OBTAIN FIRST AID & MEDICAL ASSISTANCE. EYES - DUST MAY IRRITATE EYES, FLUSH WITH LARGE AMOUNTS OF WATER, OBTAIN MEDICAL ATTENTION FOR IRRITATION OR FOREIGN BODY IN THE EYE. SKIN - WASH DUST FROM SKIN. INGESTION - THIS IS AN UNLIKELY ROUTE OF EXPOSURE BUT SHOULD GRINDING DUST BE SWALLOWED, GET MEDICAL ADVICE.

SAFE HANDLING PROCEDURES

HYGIENIC PRACTICES: WASH WELL WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

SPILL HANDLING/CLEAN-UP: TREAT AS INERT DRY SOLID; SWEEP-UP OR VACUUM IN SUCH A MANNER AS TO MINIMIZE DUST GENERATION.

WASTE DISPOSAL: STANDARD LANDFILL METHODS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

CONTROL MEASURES

RECOMMENDED ENGINEERING CONTROLS (VENTILATION): LOCAL EXHAUST AS NEEDED TO KEEP DUST CONCENTRATION BELOW ALL APPLICABLE TLV'S FOR ALL POSSIBLE CONTAMINANTS.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: NIOSH APPROVED DUST RESPIRATORS, OR SUPPLIED AIR DEPENDING ON CONTAMINANT AND CONCENTRATION. GET PROFESSIONAL ADVICE FOR SELECTION

GLOVES: CLOTH OR LEATHER

EYE PROTECTION: WEAR SAFETY GOGGLES OR FACE SHIELD

OTHER: HEARING PROTECTION MAY BE REQUIRED IN GRINDING OPERATIONS

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