

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY / TRADE NAME: CUTTING WHEELS, RESINOIDMANUFACTURER: UNITED ABRASIVES INC.ADDRESS: P.O. BOX 75, ROUTE 66, WILLIMANTIC, CT 06226INFORMATION PHONE NUMBER: 203-456-7131EMERGENCY PHONE NUMBER: 203-456-7131INGREDIENTS:

<u>HAZARDOUS COMPONENTS</u>	<u>CAS NUMBER</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>%</u>
ALUMINUM OXIDE	1344-28-1	15 MG/M3	10 MG/M3 *	60-85
AND/OR SILICON CARBIDE	409-21-2	15 MG/M3	10 MG/M3 *	10-80
CURED PHENOLIC RESIN	N/A	NONE EST.	NONE EST.	6-20
AND/OR CRYOLITE	15096-52-3	2.5 MG/M3	2.5 MG/M3	1-10
		(AS FLUORIDES)		
AND/OR CALCIUM CARBONATE	1317-65-3	15 MG/M3	10 MG/M3 *	0-2
AND/OR CARBON BLACK	1333-86-4	3.5 MG/M3	3.5 MG/M3	0.05-0.1
AND/OR WOVEN FIBERGLASS	N/A	15 MG/M3	10 MG/M3 *	5-20
AND/OR IRON SULFIDE	1317-37-9	15 MG/M3	10 MG/M3 *	0-20

* INERT OR NUISANCE DUST - TOTAL DUST

BOILING POINT: N/ASOLUBILITY IN WATER: N/ASPECIFIC GRAVITY: N/AVAPOR PRESSURE (mm Hg) N/AVAPOR DENSITY (AIR = 1) N/AEVAPORATION RATE N/A

(ETHER = 1)

APPEARANCE AND ODOR: SOLID WHEEL, BLACK COLOR, ODORLESSPHYSICAL HAZARD DATA:FLASH POINT: N/AFLAMMABLE LIMITS: N/AEXTINGUISHING MEDIA: ANY MEDIA APPROPRIATE FOR SURROUNDING FIRESPECIAL 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 CUT 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.

U02-002

UNITED MSDS
CUTTING WHEELS, RESIN

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

DATE PREPARED/UPDATED: 11/1/88

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 (SARA 313-Toxic Chemical Release Reporting):
Aluminum Oxide

This product does not contain chemicals regulated under California Proposition 65.