

ITEM: 1AUB5 Grinding Wheel Type 27 4.5x0.045x7

MSDS: A9508

ORDER: 0021760175

LP NUMBER: U819159824

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

Material Safety Sheet - A9508

Associated Grainger Items
AUL2, 1ADL1, 1AK9, 1AK8, 1AK7, 1AK6, 1AK5, 1AK4, 1AK3, 1AK2, 1AK1
ADH9, 1AH8, 1AH7, 1AH6, 1AH5, 1AH4, 1AH3, 1AH2, 1AH1, 1AF9, 1AF8
ADU7, 1AF6, 1AF5, 1AF4, 1AF3, 1AF2, 1AF1, 1AD9, 1AD8, 1AD7, 1AD6, 1AD5, 1AD4
ADE5, 1AE4, 1AE3, 1AE2, 1AE1, 1AD9, 1AD8, 1AD7, 1AD6, 1AD5, 1AD4
ADD3, 1AD2, 1AD1, 1AC9, 1AC8, 1AC7, 1AC6, 1AC5, 1AC4, 1AC3, 1AC2
ADU1, 1AB9, 1AB8, 1AB7, 1AB6, 1AB5, 1AB4, 1AB3, 1AB2, 1AB1, 1AB9
ADAB, 1AA7, 1AA6, 1AA5, 1AA4, 1AA3, 1AA2, 1AA1, 1AT9, 1AT8, 1AT7
APZ6, 1AT5, 1AT4, 1AT3, 1AT2

UNITED ABRASIVES MSDS: #1/2

RESINOID BONDED ABRASIVES

12/06)

MATERIAL SAFETY DATA SHEET

1

PRODUCT IDENTIFY / TRADE NAME:
GRINDING AND CUTTING WHEELS, RESINOID (TYPE 1, TYPE 27, TYPE 28, TYPE 29)
JP WHEELS (TYPE 11) CONES AND PLUGS (TYPE 16, TYPE 17 AND TYPE 18),
DENTS, UA-MIX, UA-GFX, A36F, A54F.

UNITED MANUFACTURER:
UNITED ABRASIVES, INC.
P.O. BOX 75, ROUTE 66
MILLINGTON, CT 06226

MSDS DATE OF PREPARATION: DECEMBER 7, 2006

TELEPHONE: (860) 456-7131

EMERGENCY PHONE: (860) 456-7131

2. HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE:
MAY CAUSE EYE AND RESPIRATORY IRRITATION. DUST PARTICLES MAY CAUSE
IRITATIVE INJURY TO THE EYES.

CHRONIC EFFECTS OF OVEREXPOSURE:
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 NOISE LEVELS DURING OPERATIONS MAY AFFECT HEARING. A GREATER
HEARING LOSS IS THE EXPOSURE TO THE DUST/FUMES FROM THE MATERIAL
BEING GRINDED. MOST OF THE DUST GENERATED DURING GRINDING
IS FROM THE BASE MATERIAL BEING GRINDED AND THE POTENTIAL HAZARD FROM THIS
EXPOSURE MUST BE EVALUATED.

ADDITIONAL CONDITIONS AGGRAVATED BY EXPOSURE: CHRONIC RESPIRATORY DISEASE.

PRIMARY ROUTE(S) OF EXPOSURE: INHALATION

KNOWN CARCINOGEN:
TITANIUM DIOXIDE IS LISTED BY IARC AS A GROUP 2B CARCINOGEN (SUSPECTED HUMAN
CARCINOGEN). NONE OF THE OTHER COMPONENTS IS LISTED AS A CARCINOGEN OR
POTENTIAL CARCINOGEN BY OSHA, NTP OR IARC.

3. COMPOSITION

Table with 3 columns: Hazardous Component, CAS #, %

4. FIRST AID

ACTION: IF GRINDING DUST IS SWALLOWED, SEEK MEDICAL ATTENTION.

INHALATION:
IF OVEREXPOSED TO GRINDING DUST, REMOVE VICTIM TO FRESH AIR AND GET MEDICAL
ATTENTION.

EYE CONTACT:
FLUSH EYES THOROUGHLY WITH WATER, HOLDING OPEN EYELIDS. GET MEDICAL
ATTENTION IF IRRITATION PERSISTS. OBTAIN IMMEDIATE MEDICAL ATTENTION FOR
FOREIGN BODY IN THE EYE.

SKIN CONTACT: WASH DUST FROM SKIN WITH SOAP AND WATER.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NON-COMBUSTIBLE

FLAMMABLE LIMITS:

LEL: N/A
UEL: N/A

EXTINGUISHING MEDIA:
USE ANY MEDIA THAT IS APPROPRIATE FOR THE SURROUNDING FIRE.

SPECIAL FIREFIGHTING PROCEDURES: NONE NEEDED.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
THIS PRODUCT IS NOT COMBUSTIBLE, HOWEVER, CONSIDERATION MUST BE GIVEN TO THE
POTENTIAL FIRE/EXPLOSION HAZARDS FROM THE BASE MATERIAL BEING PROCESSED.
MANY MATERIALS CREATE FLAMMABLE/EXPLOSIVE DUSTS OR TURNINGS WHEN MACHINED OR
GROUND.

HAZARDOUS COMBUSTION PRODUCTS: NONE KNOWN.

6. ACCIDENTAL RELEASE MEASURES

PICK UP, SWEEP UP OR VACUUM AND PLACE IN A CONTAINER DISPOSAL. MINIMIZE
GENERATION OF DUST. NOTIFY AUTHORITIES AS REQUIRED BY LOCAL, STATE AND
FEDERAL REGULATIONS.

7. HANDLING AND STORAGE

RECOMMENDED WORK PRACTICES:
USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING DUST. WASH THOROUGHLY
AFTER HANDLING AND USE, ESPECIALLY BEFORE EATING, DRINKING OR SMOKING. REFER
TO ANSI B7.1, SAFETY REQUIREMENTS FOR THE USE, CARE AND PROTECTION OF
ABRASIVE WHEELS FOR ADDITIONAL INFORMATION.

STORAGE:
STORE IN ACCORDANCE WITH ANSI B7.1. PROTECT ABRASIVE WHEELS FROM DAMAGE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

Table with 3 columns: Hazardous Component, OSHA PEL, ACGIH TLV

*TOTAL DUST

**RESPIRABLE PARTICULATE

VENTILATION:
USE LOCAL EXHAUST OR GENERAL VENTILATION AS REQUIRED TO MINIMIZE EXPOSURE
TO DUST AND MAINTAIN THE CONCENTRATION OF CONTAMINANTS BELOW THE TLVs.

RESPIRATORY PROTECTION:
USE NIOSH APPROVED RESPIRATOR IF EXPOSURE LIMITS ARE EXCEEDED OR WHERE DUST
EXPOSURES ARE EXCESSIVE. SELECTION OF RESPIRATORY PROTECTION DEPENDS ON THE
CONTAMINANT TYPE, FORM AND CONCENTRATION. SELECT AND USE RESPIRATORS IN
ACCORDANCE WITH OSHA 1910.134 AND GOOD INDUSTRIAL HYGIENE PRACTICE.

GLOVES: CLOTH OR LEATHER GLOVES RECOMMENDED.