

MATERIAL SAFETY DATA SHEET

400-004

RUBBER BONDED WHEEL

*CROSS REF. ALLISON ABRASIVES MSDS CODES:
10-16, 20-29, 55

SECTION I - MANUFACTURER & PRODUCT

Allison ABRASIVES, INC.

QUALITY ABRASIVE CUT-OFF WHEELS SINCE 1919

141 INDUSTRY ROAD, PO BOX 192
LANCASTER, KY 40444PHONE 859-792-3033
FAX 859-792-3118

HAZARD RATINGS

HEALTH RATING 1
FLAMMABILITY RATING 0
REACTIVITY RATING 0

CHEMICAL FAMILY: ABRASIVE WHEEL, RUBBER BOND, ANY GRADE

(NFPA CODE)

SECTION II - COMPOSITION PER 29 CFR 1910.1200 (G)(4)

CHEMICAL NAME	(1) REG Y/N	(2) OSHA PEL	(2) ACHIH TLV	CAS #	% RANGE	CARCINOGEN (Y/N)
FUSED ALUMINUM OXIDE	Y	15 (3)	10 (3)	1344-28-1	48-92	N
SILICON CARBIDE	Y	15 (3)	10 (3)	409-21-2	48-92	N
FLUORIDES (AS F)	Y	2.5 (5)	2.5 (5)	N/A**	8-24	N
SULFUR	N	NIF	10	7704-34-9	1-8	N
RED IRON OXIDE	Y	10	5	1309-37-1	2-10	N
CALCIUM OXIDE***	Y	5	2	1305-78-8	0-1	N

SECTION III - PHYSICAL DATA

BOILING POINT: N/A	SPECIFIC GRAVITY: TYP 2-3	COLOR: BROWN TO BLACK
VAPOR PRESSURE: N/A	% VOLATILE BY VOLUME: 0%	ODOR: NONE AS SUPPLIED; TYPICAL
VAPOR DENSITY: N/A	EVAPORATION RATE: N/A	RUBBER ODOR WHEN IN USE
SOLUBILITY IN WATER: INSOLUBLE	STATE: SOLID	

SECTION IV - SPECIAL PRECAUTIONS

NONE - SEE SECTION VIII FOR STANDARD PERSONAL PRECAUTIONS

SECTION V - REACTIVITY DATA

STABILITY: STABLE	INCOMPATIBILITY: N/A
HAZARDOUS DECOMPOSITION PRODUCTS: NONE	HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH, FIRST AID & MEDICAL DATA

<u>PRIMARY ROUTE(S) OF ENTRY</u>	<u>ACUTE & CHRONIC HEALTH EFFECTS & EFFECTS OF OVEREXPOSURE</u>	<u>FIRST AID & MEDICAL INFORMATION</u>
INHALATION (DURING GRINDING)	ACUTE: COUGHING, SHORTNESS OF BREATH CHRONIC: MAY AFFECT BREATHING CAPACITY	REMOVE TO FRESH AIR. ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN MEDICAL ASSISTANCE.
INGESTION (DURING GRINDING)	NO KNOWN ADVERSE EFFECTS, BUT INGESTION IS NOT RECOMMENDED.	OBTAIN MEDICAL ASSISTANCE.
SKIN CONTACT/ABSORPTION (DURING GRINDING)	SOME MAY EXPERIENCE SKIN IRRITATION FROM DUST.	WASH AFFECTED AREAS WITH SOAP & WATER. OBTAIN MEDICAL ASSISTANCE
EYE (DURING GRINDING)	DUSTS MAY IRRITATE EYES.	WASH WITH LARGE AMOUNTS OF WATER. OBTAIN FIRST AID AND/OR MEDICAL ASSISTANCE IF NEEDED.
OTHER POTENTIAL HEALTH RISKS (DURING GRINDING)	GRINDING MAY CREATE ELEVATED SOUND LEVELS WHICH MAY AFFECT HEARING & MAY AGGRAVATE PRE-EXISTING RESPIRATORY CONDITIONS. (SEE HEARING PROTECTION IN SECTION VIII).	OBTAIN MEDICAL ASSISTANCE.

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SECTION VII - SPILL, LEAKAGE & DISPOSAL

CLEAN UP IN STANDARD MANNER.

FOLLOW STANDARD LANDFILL METHODS CONSISTENT WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.

SECTION VIII - PERSONAL PROTECTION INFORMATION

RESPIRATORS: RESPIRATORS ARE REQUIRED WHEN AIRBORNE CONTAMINANT LEVELS EXCEED THE TLV(S).

VENTILATION, MECHANICAL: USE ADEQUATE VENTILATION. SEE OSHA 29 CFR 1910.94 & 29 CFR 1910.1000.

HEARING PROTECTION: MAY CREATE ELEVATED SOUND LEVELS. SEE OSHA 29 CFR 1910.134.
HEARING PROTECTION SHOULD BE WORN WHERE REQUIRED.

EYE PROTECTION: WEAR SAFETY GLASSES. SEE OSHA 29 CFR 1910.33.

OTHER PROTECTIVE EQUIPMENT: SEE OSHA 29 CFR 1910.25.

SECTION IX - FIRE & EXPLOSION HAZARD DATA

PRODUCT IS NON-FLAMMABLE.

SECTION X - HANDLING AND STORAGE

Always HANDLE AND STORE wheels in a CAREFUL manner.

Always VISUALLY INSPECT all wheels before mounting.

Always CHECK MACHINE SPEED against the established maximum safe operating speed MARKED ON THE WHEEL.

Always CHECK MOUNTING FLANGES for equal and correct diameter.

Always USE MOUNTING BLOTTERS on wheels for dry cutting.

Always be sure WORK REST is properly adjusted.

Always USE A SAFETY GUARD covering at least one-half of the grinding wheel.

Always allow NEWLY MOUNTED WHEELS to run at operating speed, with guard in place, for at least one minute before grinding.

Always TURN OFF COOLANT before stopping wheel to avoid creating an out-of-balance wheel.

- * MSDS CODE IS THE FIRST TWO (2) DIGITS OF "COMMODITY CODE" APPEARING IN THE LEFT-HAND COLUMN OF ALL ALLISON ABRASIVES ORDER ACKNOWLEDGMENTS, INVOICES & PACKING LISTS.
- ** SUBSTANCE IS A COMPOUND AND/OR MIXTURE.
- *** PARTIALLY OR COMPLETELY HYDRATED DURING CURE, BECOMING CALCIUM HYDROXIDE
- † MATERIALS ARE REGULATED BY **OSHA 29 CFR 1910.1200**.
- NIF NO INFORMATION FOUND
- N/A NOT APPLICABLE.

THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE TAKEN FROM SOURCES BELIEVED TO BE ACCURATE AS OF THIS DATE HEREOF; HOWEVER, ALLISON ABRASIVES, INC., MAKES NO WARRANTY WITH RESPECT TO THE ACCURACY OF THE INFORMATION OR THE SUITABILITY OF THE RECOMMENDATIONS, AND ASSUMES NO LIABILITY TO ANY USER THEREOF.

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