

# MATERIAL SAFETY DATA SHEET

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PAGE 1 of 2

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<b>1. IDENTIFICATION OF PRODUCT</b>			
ABRASIVE COTTON FIBRE PRODUCTS			
<b>2. COMPOSITION / INFORMATION ON INGREDIENTS</b>			
Abrasive Cotton Fibre Products may comprise of only some of the following.			
Chemical Identity	% By Weight	CAS No.	MEL / OES ( mg/m <sup>3</sup> )
Silicon Carbide	>60	409 - 21 - 2	( 8 hr TWA Total inhalable dust ) 10 ( 8 hr TWA Total respirable dust ) 4
Aluminum Oxide	>60	1344 – 28 – 1	( 8 hr TWA Total inhalable dust ) 10 ( 8 hr TWA Total respirable dust ) 4
Phenolic Abrasive Binder*	<20 (As Phenol)	108 – 95 – 2	( 8 hr TWA Can be absorbed by skin ) (5 ppm) 20
Raw Cotton (Cotton Dust)	<20	N/A	( 8 hr TWA Total inhalable dust ) 2.5
Polychloroprene Compound*	<20	N/A	N/A
Nitrile Compound*	<20	N/A	N/A
Resin Coated Fiberglass	<10	N/A	N/A
Cured Epoxy Resin*	<10	N/A	N/A
Note substances marked with * are compounds and / or mixtures			
<b>3. HEALTH HAZARDS DATA</b>			
ACUTE EXPOSURE : Dust may cause irritation and abrasion to eyes and may irritate respiratory system. CHRONIC EXPOSURE : Long term over exposure to dust may cause lung damage with symptoms of shortness of breath and diminished breathing capacity. Chronic effects may be irritated by smoking. Prolonged exposure to high noise levels may adversely affect hearing. A greater risk is likely from materials being worked on, paints, coatings etc. Therefore an assessment of the substances being abraded by the product is essential, prior to use. CARCINOGENICITY : None of the components are known to be carcinogenic.			
<b>4. FIRST AID</b>			
INHALATION : Inhaling dust may irritate the respiratory system. If this occurs, remove person to fresh air. If irritation persists, seek medical assistance. EYE CONTACT : Dust may irritate eyes. If this occurs, flush eyes out thoroughly with water. If irritation persists, seek medical assistance. SKIN CONTACT : Dust may irritate skin. If this occurs, wash thoroughly with soap and water. If used incorrectly, products may abrade the skin. If this occurs, thoroughly clean wound and apply a sterile dressing. INGESTION : If significant quantities of dust are ingested, seek medical assistance.			
<b>5. FIRE AND EXPLOSION</b>			
FLAMMABILITY : When exposed to extremely high temperatures products may burn. EXTINGUISHING MEDIA : Any extinguishing media may be used on the products themselves. However, consideration should be given as to articles and substances in the immediate vicinity. SPECIAL FIRE FIGHTING PROCEDURES : None required. HAZARDOUS COMBUSTION PRODUCTS : Small quantities of Carbon Monoxide may be given off.			
<b>6. ACCIDENTAL RELEASE</b>			
No special measures required.			

#### 7. HANDLING AND STORAGE REQUIREMENTS

Handling – Visually inspect all wheels before mounting. Use proper flanges and ensure machine speed does not exceed the maximum safe operating speed indicated on the product. Allow wheel to run at operating speed for at least one minute before grinding. Ensure product is adequately guarded to ensure safe operation and to comply with applicable regulations.

Storage – Cotton Fibre Abrasive Products should be stored in dry conditions and should not be exposed to extreme temperature changes as some bonds may be affected by exposure to water and high humidity. Do not allow product to come into contact with solvents.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION : Use local exhaust ventilation as required to ensure exposure to dust levels does not exceed MEL or OES. If LEV is not available a suitable respirator or dust mask should be worn.

GLOVES : Heavy duty cloth or leather gloves recommended.

EYE PROTECTION : Safety goggles or full-face shield should be worn.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Solid disc, wheel or mounted point.

BOILING POINT : N / A MELTING POINT : N / A SPECIFIC GRAVITY : N / A

VAPOUR PRESSURE : N / A VAPOUR DENSITY : N / A EVAPORATION RATE : N / A

SOLUBILITY IN WATER : Slight to insoluble.

#### 10. STABILITY AND REACTIVITY DATA

STABILITY : Stable

REACTIVITY / INCOMPATIBILITY: ( See section 7 )

HAZARDOUS DECOMPOSITION PRODUCTS : Dust from substances listed in section 2 will be given off. Also substances from materials being worked on. (See section 3)

HAZARDOUS POLYMERISATION: Will not occur.

#### 11. TOXICOLOGICAL DATA

No toxicity data known for these products.

#### 12. ECOLOGICAL DATA

No ecological data available for these products.

#### 13. DISPOSAL

Dispose of so as to comply with applicable local regulations.

#### 14. TRANSPORTATION DATA

These products are not regulated for transportation purposes.

#### 15. ENVIRONMENTAL REGULATORY DATA

Not completely biodegradable.

#### 16. OTHER INFORMATION

No known regulatory requirements.

The preceding information is believed to be correct and current as of the date of preparation of this Material Safety Data Sheet. Since the use of this information and the conditions of use of these products are not within the control of ATI Garryson Limited, it is the user's obligation to assure safe working conditions.