

ATD-8289 ,8893, 8892, 8298, 8898, 8897
Material Safety Data Sheet

Report No.: RTMS-TCO-001-100072EN

Date: 07/03/2011

1 Identification of the substance/preparation and of the company/undertaking

Product details: Abrasive wheels

.Trade name: ATD TOOLS, INC.

.Application of the substance: cutting and polishing metal and stone .

.Manufacturer/Supplier: J LONG HARDWARE ABRASIVE CO., LTD

Tel: +86-316-5568710

Fax: +86-316-5568062

.Further information obtainable from:

.Information in case of emergency:

Tel: Not available

Fax: Not available

2 Composition/information on ingredients

.Chemical characterization

.Description: Mixture of substances listed below with additions.

Components Number	CAS Number	Approximate(%by Wt.Or Vol.	GHS-Classificati on	Workplace Exposure Limit	
				OSHA PEL(mg/m3)	ACGIH TLV(mg/m3)
Aluminum oxide	1344-28-1	0-95	Not classified	Not available	Not available
silicon carbide	409-21-2	0-95	Not classified	Not available	Not available
Phenolic resin		5-20	Not classified	Not available	Not available
Glass mesh		0-10	Not classified	Not available	Not available
Iron Disulphide	12068-85-8	0-20	Not classified	Not available	Not available
Fluorides (AS F)		0-15	Not classified	Not available	Not available
Iron Oxide		0-5	Not classified	Not available	Not available
Limestone		0-3	Not classified	Not available	Not available

3. Hazards identification

.Potential Health Effects:

.Eye: The product is not classified as harmful by eye contact.

.Skin: The product is not classified as harmful by skin contact.

.Ingestion: The product is not classified as harmful by ingestion.

.Inhalation: The product is not classified as harmful by inhalation.

4 First aid measures

Persons using these products should consult a physician or other medical professional if an accident involving these products in injury. Specific first-aid measures are as follows:

.Eye Contact: Do not expose to direct dust source. Rinse with clean water. If not sufficient, get medical attention immediately.

.Skin Contact: Remove contaminated clothing. Wash skin thoroughly with mild soap and plenty of water. Get medical attention if irritation occurs.

.Inhalation: In case of inhalation, remove person to fresh air. Keep him quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.

.Ingestion: If swallowed, wash mouth thoroughly with plenty of water. Get medical attention immediately. NOTE: Never give an unconscious person anything to drink.

5 Fire-fighting measures

.Extinguishing Media: Use water spray or jet, dry chemical, carbon dioxide, or foam.

.Special Fire Fighting Procedures: Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA). Contain fire fighting water to prevent entry into water or drainage systems.

.Unusual Fire and Explosion Hazards: Not available.

.Explosion Sensitivity to Mechanical Impact: Not available.

.Explosion Sensitivity to Static Discharge: Not available.

6 Accidental release measures

.Release Response: Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment.

.Measures for environmental protection: Prevent product from entering drains, ditches and rivers.

7 Handling and storage

.Handling:

.Information for safe handling:

Do Visually inspect all wheels before mounting for possible damage. *Do* Make sure operating speed of machine. Does not exceed speed marked on wheel, it's blotter or container. *Do* Check mounting flanges for equal size, relieve as required and correct diameter. *Do* Allow newly mounted wheels to run at operating speed, with guard in place, for at least one minute before grinding. *Do* Turn off coolant before stopping wheel to avoid creating an out-of-balance condition. *Do* Always wear safety glasses or some type of approved eye protection while grinding or cutting. *Do* Follow common sense safety considerations.

Don't use a wheel that has been dropped or appears to have been abused. Don't force a wheel onto the machine or after the size of the mounting hole. If wheel won't fit the machine, get one that will. Don't start the machine until the safety guard is properly and securely in place. Don't stand directly in front of a grinding/cutting wheel whenever a machine is in operation. Don't ever exceed maximum operating speed established for the wheel. Don't use mounting flanges on which the bearing surfaces are not clean, flat, and smooth. Don't tighten the mounting nut excessively. Don't grind on the side of conventional, straight or type 1 wheels. Don't use a wheel on any machine that is not properly designed for the specific application of the wheel. Don't jam work into the wheel. Don't grind or cut material for which the wheel is not designed.

.Information about fire- and explosion protection:

Not available.

.Storage:

.Requirements to be met by storerooms and receptacles:

Do Always handle and store wheels in a careful manner. *Do* Be sure work rest is properly adjusted on bench, pedestal, and floor stand grinder. *Do* Always use safety guard that covers a minimum of one-half the abrasive wheel.

Store in sane and humidity balanced rooms not exceeding temperatures below zero and humidity over 55-65%. Excessive heat and humidity, as well as sudden changes of extreme temperatures may put on risk the integrity of the chemical structure of grinding wheels, thus causing a reduction of safety during their use, after being mounted on power tools.

.Information about storage in one common storage facility:

Expiry date and storage of resin bonded abrasive products: because of a chemical deterioration of the structure throughout the time, it is recommended to use non reinforced abrasive products within one year and reinforced abrasive products within two years after production. As to storage, it is recommended to follow FIFO principals. For further details about specific aspects, we recommend to refer to FEPA Safety Norms.

.Further information about storage condition: Not available.

8 Exposure controls/personal protection

.Engineering Controls: When abrasive products are used, please refer to safety manuals of power tools and professional first aid rules at work. Refer to Safety Instructions and FEPA norms applicable to the case. We recommend to be careful during cutting and grinding of aluminium and its chemical reactions.

.Personal Protective Equipment:

.Protection of Hands:

Safety gloves.

.Protection of Eyes:

Safety guard on angle grinder, face mask or goggles.

.Protection of Respiratory Tract:

In case of insufficient ventilation wear suitable respiratory equipment.

.Protection of Body: Use protective clothing impervious to this material.

.General protective and hygienic measures: Safety shower and eye bath should be provided. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

.Material of Gloves: None specific recommended.

9. Physical and chemical properties

.General Information

<i>Form:</i>	Solid
<i>Color:</i>	Brown or black, depending on raw material type
<i>Odor:</i>	None

.Change in condition

<i>Melting point/Melting range:</i>	Not available
<i>Boiling point/ Boiling range:</i>	Not available

<i>Flash point:</i>	Not available
---------------------	---------------

<i>Self-igniting:</i>	Not available
-----------------------	---------------

<i>Danger of explosion:</i>	Not available
-----------------------------	---------------

<i>Vapour pressure:</i>	Not available
-------------------------	---------------

<i>Partition coefficient (n-octanol / water):</i>	Not available
---	---------------

.Density:

<i>Relative density:</i>	Not available
--------------------------	---------------

<i>Vapor density:</i>	Not available
-----------------------	---------------

<i>Evaporation rate:</i>	Not available
--------------------------	---------------

<i>Solubility in/Miscibility with Water:</i>	Not available
--	---------------

<i>PH-Value:</i>	Not available
------------------	---------------

<i>Viscosity:</i>	Not available
-------------------	---------------

<i>Dynamic:</i>	Not available
-----------------	---------------

10 Stability and reactivity

.Chemical Stability: Stable and not reactive when manipulated or stored.

. Dangerous Decomposition Products: Not available.

.Hazardous Polymerizations: Not expected to occur.

.Conditions to Avoid: Excess of heat and humidity.

11 Toxicological information

.Potential Health Effects: Not applicable

.Acute Effect: Not available

.Chronic Effects: No evidence of adverse from available information.

.Sensitization: Not available.

.LD50: Not available.

12 Ecological information

.Ecotoxicological effects: Not available.

.Effect of material on plants or animals: Not available.

.Effect of material on plants or aquatic life: Not available.

13 Disposal considerations

.Waste Disposal Methods: Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing use or contamination of this product may change the waste management options. According to local regulations, Federal and official regulations. Remains of grinding wheels are subject to casual contamination after use (mainly referred to fragments of workpieces or refrigeration liquid). Disposal is ruled by national and international rules. Disposal procedures must be accordingly.

.Recommendation Disposal must be made according to official regulations.

14 Transport information

.These products are not hazardous as defined by EU related Regulation and Directive.

.Proper shipping name: Not available.

.Hazard class number and description: Not available.

.Packing Group: Not available.

.UN Identification: Not available.

.Marine Pollutant: Not available.

.Attentions: Not available.

15 Regulatory information

Labeling according to the GHS(Globally Harmonized System of Classification and Labelling of Chemicals):

.GHS label symbols: No pictogram is used.

. Hazard Statement: Not applicable.

. Precautionary Statement: Not applicable.

Other National Regulations:

.SARA: Not available.

.ICAO/IATA: Not available.

.TSCA: Not available.

.DOT: Not available.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

.Emergency Telephone Number:

.Department issuing MSDS:

※ *Remark:*

This MSDS is prepared by REACHTEK who is a professional regulatory service provider.

.Contact: +86-571-87206555 info@reach123.cn WWW.REACH123.CN

*****The End*****