



Material Safety Data Sheet

May be used to comply with

OSHA's Hazard Communication Standard 29 CFR 1910.1200.

This standard must be consulted for specific requirements

IDENTITY (As used on label and list)

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Cut-off Wheels

Depressed Center Grinding Wheels

Aluminum Oxide – Metal/Steel

Steel Carbide – Masonry/Concrete

Zirconium – Metal

49-92-3120, 49-92-3180, 49-92-3240, 49-92-3300, 49-93-3301, 49-93-3311, 49-93-3321, 49-93-3331, 49-93-3341, 49-93-3351, 49-93-3361, 49-93-3371, 49-93-3450, 49-93-3455, 49-93-3456, 49-93-3460, 49-93-4301, 49-93-4302, 49-93-4303, 49-93-4304, 49-93-4311, 49-93-5016, 49-93-6220, 49-93-6230, 49-93-6235, 49-94-3300, 49-94-3310, 49-94-3320, 49-94-3330, 49-94-3340, 49-94-3350, 49-94-3360, 49-94-3370, 49-94-6330, 49-94-6340, 49-94-6335, 49-94-6345, 49-94-6360, 49-94-6300, 49-94-6305

Section I

Manufacturer's Name

Milwaukee Electric Tool Corporation

Address (Number, Street)

13135 West Lisbon Road

(City, State, and Zip Code)

Brookfield, Wisconsin 53005

Emergency Telephone Number

1-800-424-9300

Contact Telephone Number for Technical Information

262-781-3600 or 1-800-729-3878 (1-800-SAWDUST)

Date Prepared

May 2004

Section II - Hazardous Ingredients/Identity Information

Hazardous Components [Specific Chemical Identity, Common name (s)]

Ingredient	% by Weight	OSHA Reg. Y/N	CAS #	OSHA PEL	ACGIH TLV	California Prop 65 Reg. Y/N	IARC/NTP Y/N
Aluminum oxide	60-80	N	1344-28-1	15mg/m ³	10mg/m ³		N
Silicon carbide	60-80	N	409-21-2	15mg/m ³	10mg/m ³		N
Zirconium oxide	6-12	N	1314-23-4	5mg/m ³	5mg/m ³		N
Barium compound	3-8	Y	N 040	0.5mg/m ³	0.5mg/m ³		N
Zinc compound	1-5	Y	N 982	0.5mg/m ³	0.5mg/m ³		N
Iron sulfide	6-12	N	1217-37-9	15mg/m ³	10mg/m ³		N
Cryolite	6-12	N	15096-52-3	2.5mg/m ³	2.5mg/m ³		N
Phenolic resin	10-20	N	9003354	N/A	N/A		N
Carbon black	0/0.2	N	1333-86-4	3.5mg/m ³	3.5mg/m ³		N
Lime	0-0.1	N	1305-62-0	5mg/m ³	5mg/m ³		N
Fiber glass	3-5	N	N/A	15mg/m ³	10mg/m ³		N

DOT Hazard Classification: Non-Hazardous

SARA Title III Section 313: This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

HMIS [®] Rating Numbers	Health	Flammability	Reactivity	Personal Protection	
	1	0	0	A	
Hazard Ratings:	0 = Minimum hazard	1 = Slight hazard	2 = Moderate hazard	3 = Serious hazard	4 = Severe hazard
	A = Goggles	B = Goggles + Gloves	C = Face Shield, Gloves + Apron	X = Special, See sections VII & VIII of this sheet	

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O=1)	N/A
Vapor Pressure (mm/Hg.)	N/A	Melting Point	N/A
Vapor Density (Air=1)	N/A	Evaporation Rate	N/A
Solubility in Water	Slight	Appearance and Odor	Solid, dark colored. May give off some odor in use.

Legend:

Y - Yes

N - No

N/A - Not Applicable

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media Water or CO ₂			
Special Fire Fighting Procedures None			
Unusual Fire and Explosion Hazards None			

Section V - Reactivity Data

Stability	Unstable		Conditions to avoid: Acids, solvents and extreme heat.
	Stable	X	
Incompatibility (Material to avoid): N/A			
Hazardous Decomposition or Byproducts Dust and organic fumes generated in use. Do not exceed TLV's.			
Hazardous Polymerization	May Occur Stable		Conditions to avoid: N/A
		X	

Section VI - Health Hazard Data

Route(s) of Entry: During normal use	Inhalation? N/A	Skin? N/A	Ingestion? N/A
Health Hazards (Acute and Chronic) N/A			
Signs and Symptoms of Exposure: Inhalation can cause coughing or shortness in breath.			
Medical Conditions Generally Aggravated by Exposure: N/A			
Emergency and First Aid Procedures EYE: Flush with a large amount of water. SKIN: Wash with soap and water. INHALATION: Remove to fresh air. NOISE: See OSHA 29 CFR 1910.95.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released if Spilled Normal clean-up procedures.
Waste Disposal Method Dispose of in a sanitary landfill in accordance with local, state, and Federal regulations.
Precautions to Be Taken in Handling and Storing Avoid damage. Do not drop. Store in a safe, dry location. Always handle in accordance with ANSI B7.1.
Other Precautions Always use in accordance with ANSI Z43.1 and OSHA 29 CFR 1910.215. Do not use dropped or damaged wheels. Do not use without machine guard in place. Do not exceed maximum RPM on wheel.

Section VIII - Control Measures

Respiratory Protection (Specify Type) MSHA or NIOSH approved respirator if TLVS exceeded. See OSHA 29 CFR 1910.134.		
Ventilation	Local Exhaust Recommended. See ANSI Z43.1.	Special See OSHA CFR 1910.94.
	Mechanical Recommended. See ANSI Z43.1.	Other See OSHA CFR 1910.94.
Protective Gloves Not required. Use if desired.	Eye Protection Required. See OSHA 29 CFR 1910.133.	
Other Protective Clothing or Equipment: Apron and/or face shield if desired. Hearing. See OSHA 29 CFR 1910.95.		
Work/Hygienic Practices N/A		

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