

MAY 06 '97 09:42AM METCO TECH ENG.

P.2/3

**Material Safety Data Sheet**

May be used to comply with

OSHA's Hazard Communication Standard 29 CFR 1910.1200.

Standard must be consulted for specific requirements

IDENTITY (As used on label and list) Hawg Wash®	49-32-0080	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.
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Section I

Manufacturer's Name Milwaukee Electric Tool Corporation	Emergency Telephone Number 1-800-424-9300
Address (Number, Street) 13135 West Lisbon Road	Telephone Number for Information 414-781-3600
(City, State, and Zip Code) Brookfield, Wisconsin 53005	Date Prepared May 1995

Section II - Hazardous Ingredients/Identity Information

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

Ingredient	% by Weight	Reg. Y/N	CAS #	OSHA PEL	ACGIH TLV**	Other Limits Recommended	CARCINOGEN Y/N
petroleum oil	10-20	n/a	8002-05-9	5 mg/m ³	5 mg/m ³	n/a	n
petroleum sulfonate	1-10	n/a	61789-85-3	None	None	n/a	n
chlorinated alkene polymer	1-10	n/a	68410-99-1	None	None	n/a	n
sulfurized fat	1-10	n/a	61790-49-6	None	None	n/a	n
zinc borate	1-10	n/a	63231-48-1	None	None	n/a	n
zinc carboxylate	1-10	n/a	63231-48-1	None	None	n/a	n
anionic surfactant	1-10	n/a	68991-48-0	None	None	n/a	n
propylene glycol ether	1-10	n/a	68603-15-6	None	None	n/a	n
iron	1-10	n/a	8002-09-3	None	None	n/a	n
propylene glycol	<1	n/a	57-55-6	None	None	n/a	n
aromatic alcohol	<1	n/a	68603-15-6	None	None	n/a	n
vegetable oil	<1	n/a	68958-68-3	None	None	n/a	n
substituted indole	<1	n/a	63231-48-1	None	None	n/a	n
silicone defoamer	<1	n/a	63231-48-1	None	None	n/a	n
water	Balance	n/a	7732-18-5	None	None	n/a	n

Some CAS numbers refer to families rather than specific chemical identities. The exact chemical identities and percentages of the raw materials used in Hawg Wash® are trade secrets. This information is being withheld as provided for in the Occupational Safety and Health Administration's Hazard Communication Rule (29CFR 1910.1200).

DOT Hazard Class: None, Hawg Wash® is not classified as a hazardous material by DOT.

RA 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 the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

MSD Rating Numbers (Concentrated)	Health	Flammability	Reactivity	Personal Protection
	1	1	0	A
Hazard Ratings:	0 = Minimum hazard A = Goggles	1 = Slight hazard B = Goggles + Gloves	2 = Moderate hazard C = Face Shield, Gloves + Apron	3 = Serious hazard D = Special, See section VII of this sheet

Section III - Physical/Chemical Characteristics

Boiling Point at 760 mm Hg 217° F (105° C)	Specific Gravity (H ₂ O=1) 1.04
Vapor Pressure (mm/Hg.) <1	Melting Point n/a
Vapor Density (Air=1) n/a	Evaporation Rate (Butyl Acetate = 1) 1
Solubility in Water 100%	pH of Concentrate 8.7
	pH of 10% solution 8.6

Appearance and Odor

thick liquid with mild pleasant odor

MAY 06 '97 09:42AM METCO TECH ENG.

P.3/3

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) None (COC & TOC)	Flammable Limits Not Determined	LEL n/a	UEL n/a
Extinguishing Media As appropriate for the surrounding fire; water (flood with water), dry chemicals, CO ₂ or "alcohol foam"			
Special Fire Fighting Procedures None			
Unusual Fire and Explosion Hazards None			

Section V - Reactivity Data

Stability	Unstable		Conditions to avoid:
	Stable	X	None
Incompatibility (Material to avoid): Strong oxidizers, acids and alkalis			
Hazardous Decomposition or Byproducts Thermal decomposition (fire) may produce CO, CO ₂ , HCl, SO ₂			
Hazardous Polymerization	May Occur		Conditions to avoid:
	Will Not Occur	X	None

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Non toxic	Skin? Non toxic	Ingestion? Non toxic
Health Hazards (Acute and Chronic)	Eye Contact Transient irritation	Skin Contact Possible defatting, nonirritant, nonsensitizer	
Carcinogenicity:	NTP? No	IARC Monographs? None	OSHA Regulated? No
Signs and Symptoms of Exposure: None			
Conditions Generally Aggravated by Exposure: None Known			

Emergency and First Aid Procedures

Eyes: Flush immediately with cool, clean water for at least 15 minutes
 Skin: Wash with mild soap and warm water
 Inhalation: Remove to fresh air
 Ingestion: If large quantities are ingested, contact a physician, in every case get medical attention as required.

Section VII - Precautions for Safe handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Mop up or use dry absorbent

Waste Disposal Method

Acid - Alum Split - Dispose of as local laws permit for petroleum hydrocarbons

Precautions to Be Taken in Handling and Storing

Avoid contact with skin and eyes. Avoid inhalation of fumes, mists, or vapors. Do not ingest. Wash thoroughly after handling product. Keep containers closed. Store away from heat, sparks and other ignition sources. "Empty" containers retain residue and must be stored accordingly.

Other Precautions

This product contains amine. Do not add nitrite or nitrosating agents to this product due to the potential for nitrosamine formation.

Section VIII - Control Measures**Respiratory Protection (Specify Type)**

None

Ventilation	Local Exhaust Not normally required	Special None
	Mechanical General Room Ventilation	Other None
Protective Gloves	None	Eye Protection Safety Glasses

Protective Clothing or Equipment:

None

Work/Hygienic Practices

N/A