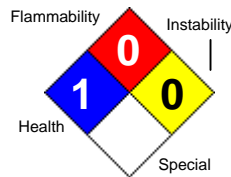


MATERIAL SAFETY DATA SHEET

Liquid Sander

Page: 1



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1. Product and Company Identification

Product Code: 517
Product Name: Liquid Sander
Manufacturer Information
Company Name: W. M. Barr
2105 Channel Avenue
Memphis, TN 38113
Phone Number: (901)775-0100
Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346
Information: W.M. Barr Customer Service (800)398-3892
Web site address: www.wmbarr.com
Preparer Name: W.M. Barr EHS Dept (901)775-0100
Synonyms
QJLS00402

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV	Other Limits
1. Dimethyl glutarate	1119-40-0	5.0 -10.0 %	No data.	No data.	No data.
2. Dimethyl adipate	627-93-0	1.0 -5.0 %	No data.	No data.	No data.
3. Dimethyl succinate	106-65-0	1.0 -5.0 %	No data.	No data.	No data.
4. Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	111-76-2	1.0 -5.0 %	50 ppm	20 ppm	No data.
5. Octylphenoxyethoxyethanol	9036-19-5	1.0 -5.0 %	No data.	No data.	No data.

Hazardous Components (Chemical Name)	RTECS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
1. Dimethyl glutarate	NA	No data.	No data.	No data.	No data.
2. Dimethyl adipate	AV1645000	No data.	No data.	No data.	No data.
3. Dimethyl succinate	WM7675000	No data.	No data.	No data.	No data.
4. Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	KJ8575000	No data.	No data.	No data.	No data.
5. Octylphenoxyethoxyethanol	RI0175000	No data.	No data.	No data.	No data.

3. Hazards Identification

Emergency Overview

No data available.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic)

EYE CONTACT:

May cause moderate to severe eye irritation. May cause moderate corneal injury. Effects may include discomfort or pain, redness, stinging, tearing, and inflammation. Effects may be slow to heal. Vapor may cause eye irritation experienced as mild discomfort and redness.

SKIN CONTACT:

Brief contact may cause slight skin irritation with local redness. Repeated exposure may cause irritation, even a burn. May cause more severe response on covered skin. Repeated or prolonged contact may dry the skin. Symptoms may include redness and burning.

INHALATION:

Excessive exposure may cause irritation to upper respiratory tract (nose and throat). May include headache.

INGESTION:

Moderate toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury. Swallowing larger amounts may cause injury. This material is a lung aspiration hazard, resulting in lung injury.

TARGET ORGANS:

Blood, kidney, liver

Signs and Symptoms Of Exposure

See Potential Health Effects.

Medical Conditions Generally Aggravated By Exposure

None known.

4. First Aid Measures

Emergency and First Aid Procedures

Skin:

Remove contaminated clothing. Immediately wash skin thoroughly with large amounts of water and mild soap, if available. Seek medical attention if irritation develops or persists.

Eyes:

Immediately begin to flush eyes with water, remove any contact lens. Continue to flush the eyes for at least 15 minutes. Seek medical attention.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion:

If swallowed, do NOT induce vomiting. Seek immediate medical attention. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flammability Classification:

FP = No flash to boiling.

Flash Pt:

No data.

Explosive Limits:

LEL: No data.

UEL: No data.

Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

Flammable Properties and Hazards

No flash to boiling. Material does not burn.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide.

Extinguishing Media

Non-combustible liquid - use extinguishing media for underlying cause of fire.

Unsuitable Extinguishing Media

None known.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Isolate the immediate area. Prevent unauthorized entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to compatible containers. For large spills, dike ahead of the spill.

7. Handling and Storage

Precautions To Be Taken in Handling

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. A source of clean water should be kept in the immediate work area for flushing of the eyes and skin.

Precautions To Be Taken in Storing

Keep from freezing.

8. Exposure Controls/Personal Protection

Respiratory Equipment (Specify Type)

When used by the consumer following directions for use and with adequate ventilation, respiratory protection should not be needed.

Wear NIOSH approved respiratory protective equipment when vapor or mists may exceed applicable concentration limits.

Eye Protection

Safety glasses should be worn during normal handling of this material.

Where contact with the eyes or face is likely, a faceshield or chemical splash goggles should be worn to prevent eye contact.

Protective Gloves

Wear gloves chemically resistant to the materials in this product, such as natural rubber, neoprene, nitrile rubber, PVC, etc...

Other Protective Clothing

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.

Engineering Controls (Ventilation etc.)

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate, such as basements, bathrooms or small enclosed areas. Whenever possible, use outdoors in an open air area. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering -- STOP -- ventilation is inadequate. Leave area immediately and move to fresh air.

Work/Hygienic/Maintenance Practices

Wash hands thoroughly after use and before eating, drinking, or smoking. Do not eat, drink, or smoke in the work area. Discard any clothing or other protective equipment that cannot be decontaminated.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid
Melting Point: No data.
Boiling Point: 212.00 F
Autoignition Pt: No data.
Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.
Specific Gravity (Water = 1): 1.012
Density: 8.42 LB/GL
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): No data.
Evaporation Rate (vs Butyl Acetate=1): < 1
Solubility in Water: 100 %
Percent Volatile: 9.8 % by weight.
VOC / Volume: 140.0000 G/L
Corrosion Rate: No data.
pH: 5 - 7
Appearance and Odor
 Orange, hazy, thin liquid.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability
 No data available.
Incompatibility - Materials To Avoid
 Strong acids, strong oxidizers, strong alkalies, strong bases
Hazardous Decomposition Or Byproducts
 Aldehydes, ketones, organic acids, carbon monoxide, carbon dioxide
Hazardous Polymerization: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Polymerization
 No data available.

11. Toxicological Information

Ethylene Glycol Monobutyl Ether:
 In laboratory animal studies, effects on reproduction and toxicity to the fetus have been seen at doses toxic to the parent.

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Dimethyl glutarate	1119-40-0	n.a.	n.a.	n.a.	n.a.
2. Dimethyl adipate	627-93-0	n.a.	n.a.	n.a.	n.a.
3. Dimethyl succinate	106-65-0	n.a.	n.a.	n.a.	n.a.
4. Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	111-76-2	Possible	2B	A3	No
5. Octylphenoxypolyethoxyethanol	9036-19-5	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method

Dispose in accordance with applicable local, state, and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Consumer Commodity, ORM-D

Additional Transport Information

For D.O.T. information, contact W.M. Barr Technical Services at 1-800-398-3892.

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Dimethyl glutarate	1119-40-0	No	No	No	No
2. Dimethyl adipate	627-93-0	No	No	No	No
3. Dimethyl succinate	106-65-0	No	No	No	No
4. Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	111-76-2	No	No	Yes-Cat. N230	No
5. Octylphenoxypolyethoxyethanol	9036-19-5	No	No	No	No

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
1. Dimethyl glutarate	1119-40-0	No	No	Inventory, 4 Test, 12(b)	No
2. Dimethyl adipate	627-93-0	No	No	Inventory, 4 Test, 12(b)	No
3. Dimethyl succinate	106-65-0	No	No	Inventory, 4 Test, 12(b)	No
4. Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	111-76-2	HAP	No	Inventory	No
5. Octylphenoxypolyethoxyethanol	9036-19-5	No	No	Inventory, 8A PAIR	No

SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

- Sec.302:** EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.
- Sec.304:** EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.
- Sec.313:** EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.
- Sec.110:** EPA SARA 110 Superfund Site Priority Contaminant List

TSCA (Toxic Substances Control Act) Lists:

- Inventory:** Chemical Listed in the TSCA Inventory.
- 5A(2):** Chemical Subject to Significant New Rules (SNURS)

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Liquid Sander

Page: 6

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Revision: 11/21/2008

6A:	Commercial Chemical Control Rules
8A:	Toxic Substances Subject To Information Rules on Production
8A CAIR:	Comprehensive Assessment Information Rules - (CAIR)
8A PAIR:	Preliminary Assessment Information Rules - (PAIR)
8C:	Records of Allegations of Significant Adverse Reactions
8D:	Health and Safety Data Reporting Rules
8D TERM:	Health and Safety Data Reporting Rule Terminations
12(b):	Notice of Export

Other Important Lists:

CWA NPDES:	EPA Clean Water Act NPDES Permit Chemical
CAA HAP:	EPA Clean Air Act Hazardous Air Pollutant
CAA ODC:	EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)
CA PROP 65:	California Proposition 65

International Regulatory Lists:

EPA Hazard Categories:

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

- Yes No Acute (immediate) Health Hazard
- Yes No Chronic (delayed) Health Hazard
- Yes No Fire Hazard
- Yes No Sudden Release of Pressure Hazard
- Yes No Reactive Hazard

16. Other Information

Company Policy or Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.