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Revision Number 3

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product Code(s)** 05100, 05101, 05102, 05104  
**Product Name** Mothers Mag & Aluminum Polish  
**Recommended Use** Metal polish

**Company**

MOTHERS POLISHES WAXES CLEANERS  
5456 Industrial Drive  
Huntington Beach, CA 92649  
TEL: 714-891-3364  
FAX: 714-893-1827

**Supplier**

MOTHERS POLISHES WAXES CLEANERS  
5456 Industrial Drive  
Huntington Beach, CA 92649  
TEL: 714-891-3364  
FAX: 714-893-1827

**For further information, please contact**

**E-mail Address** chemist@mothers.com  
**Emergency Telephone Number** Chemtrec 1-800-424-9300

**2. HAZARDS IDENTIFICATION**

The product is non-dangerous in accordance with Directive 1999/45/EC

**Classification****Hazard Symbols**

Not dangerous

**Most Important Hazards**

None

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	EC-No	REACH No.	CAS-No	Weight %	Classification
Petroleum distillates, hydrotreated light	265-149-8	No data available	64742-47-8	25-50	Xn;R65 R66
Solvent naphtha (petroleum), medium aliphatic	265-191-7	No data available	64742-88-7	<10	Xn;R65 R10
Stearic acid	200-313-4	No data available	57-11-4	<10	Xi;R36
Poly(oxy-1,2-ethanediyl), .alpha.-[[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	-	No data available	9036-19-5	<10	Xn;R22 Xi;R41
Hexylene glycol	203-489-0	No data available	107-41-5	<10	Xi;R36/38

For the full text of the R-phrases mentioned in this Section, see Section 16

#### 4. FIRST AID MEASURES

<b>General Advice</b>	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Consult a physician.
<b>Inhalation</b>	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
<b>Notes to Physician</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Dry powder. Dry chemical. Foam.

**Extinguishing media which must not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire.

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

None in particular.

**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Avoid contact with the skin and the eyes.
<b>Environmental Precautions</b>	Refer to protective measures listed in Sections 7 and 8.
<b>Methods for Cleaning up</b>	Soak up with inert absorbent material. Clean contaminated surface thoroughly.
<b>Other Information</b>	See Section 12 for additional information.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin and eyes.
<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits**

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Hexylene glycol 107-41-5		STEL: 123 mg/m <sup>3</sup> STEL: 25 ppm TWA: 123 mg/m <sup>3</sup> TWA: 25 ppm	VLCT: 125 mg/m <sup>3</sup> VLCT: 25 ppm	VLA-EC: 25 ppm VLA-EC; 123 mg/m <sup>3</sup> VLA-EC	MAK: 10 ppm MAK: 49 mg/m <sup>3</sup> Ceiling / Peak: 20 ppm Ceiling / Peak: 98 mg/m <sup>3</sup>

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
Hexylene glycol 107-41-5		Ceiling: 25 ppm	Ceiling: 25 ppm Ceiling: 125 mg/m <sup>3</sup> Ceiling MAC: 25 ppm MAC; 125 mg/m <sup>3</sup> MAC	TWA: 120 mg/m <sup>3</sup> TWA: 25 ppm STEL: 200 mg/m <sup>3</sup> STEL: 40 ppm	Ceiling: 125 mg/m <sup>3</sup> Ceiling: 25 ppm

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Hexylene glycol 107-41-5	STEL 10 ppm STEL 49 mg/m <sup>3</sup> MAK: 10 ppm MAK: 49 mg/m <sup>3</sup> Ceiling 10 ppm Ceiling 49 mg/m <sup>3</sup>	STEL: 20 ppm STEL; 98 mg/m <sup>3</sup> STEL MAK: 10 ppm MAK; 49 mg/m <sup>3</sup> MAK	NDSP: 120 mg/m <sup>3</sup>	Ceiling: 100 mg/m <sup>3</sup> Ceiling: 20 ppm	TWA: 125 mg/m <sup>3</sup> TWA: 25 ppm STEL: 125 mg/m <sup>3</sup> STEL: 25 ppm

**Occupational Exposure Controls****Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment****Eye Protection**

Safety glasses with side-shields.

**Hand Protection**

Protective gloves.

**Skin and Body Protection**

No special protective equipment required.

**Respiratory Protection**

None required under normal usage. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hygiene Measures**

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

**Environmental Exposure Controls**

Do not allow material to contaminate ground water system.

**9. PHYSICAL AND CHEMICAL PROPERTIES****General Information****Physical State**

Solid

**Appearance**

White

**Odor**

Pine

**Important health safety and environmental information****Flash Point**

90°C / 194°F

**Boiling Point/Boiling Range**

No information available.

**pH**

No information available.

**Autoignition Temperature**

No information available.

**Vapor Pressure**

No information available

**VOC Content (%)**

&lt;30

**Viscosity**

No information available

**Specific Gravity**

No information available

**Evaporation Rate**

No information available

**Vapor Density**

No information available.

**Flammability Limits in Air**

No information available.

**Other information****Melting Point/Range**

55°C

**10. STABILITY AND REACTIVITY****Stability**

Stable under normal conditions.

**Conditions to Avoid**

Heat, flames and sparks.

**Materials to Avoid** None in particular.

**Hazardous Decomposition Products** None under normal use. Thermal decomposition can lead to release of irritating gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product Information

**Inhalation** May cause drowsiness and dizziness.

**Eye Contact** May cause slight irritation.

**Skin Contact** Prolonged or repeated contact may dry skin and cause irritation

**Ingestion** Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated light	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
Stearic acid	-	5 g/kg ( Rabbit )	-
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	= 4190 mg/kg ( Rat )		
Hexylene glycol	= 3692 mg/kg ( Rat )	12,3000 mg/kg ( Rabbit )	> 310 mg/m <sup>3</sup> ( Rat ) 1 h
Alumina	> 5000 mg/kg ( Rat )		
Solvent naphtha (petroleum), medium aliphatic	> 5000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h
Triethanolamine	= 4190 mg/kg ( Rat )	> 16 mL/kg ( Rat ) > 2000 mg/kg ( Rabbit )	
Tall oil fatty acids	= 7600 mg/kg ( Rat )		

### Chronic Toxicity

**Target Organ Effects** Central nervous system (CNS). Eyes. Respiratory system. Skin.

### Endocrine Disruptor Information

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Group III Chemical		Industrial chemical

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Do not allow material to contaminate ground water system.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Petroleum distillates, hydrotreated light		LC50 96 h: = 2.2 mg/L static (Lepomis macrochirus) LC50 96 h: = 2.4 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 45 mg/L flow-through (Pimephales promelas)		LC50 96 h: = 4720 mg/L (Daphnia magna)
Solvent naphtha (petroleum), medium aliphatic	EC50 96 h: = 450 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 800 mg/L static (Pimephales promelas)		EC50 48 h: > 100 mg/L (Daphnia magna)
Hexylene glycol		LC50 96 h: 10500-11000 mg/L flow-through (Pimephales promelas) LC50 96 h: = 10000 mg/L static (Lepomis macrochirus) LC50 96 h: = 10700 mg/L static (Pimephales promelas) LC50 96 h: = 8690 mg/L flow-through (Pimephales promelas)	EC50 = 3038 mg/L 5 min	EC50 48 h: 2700 - 3700 mg/L (Daphnia magna)

**Persistence and Degradability** No information available.

**Bioaccumulative Potential** No information available.

**Mobility** Adsorbs on soil.

Chemical Name	Log Pow
Hexylene glycol	0.13986

### 13. DISPOSAL CONSIDERATIONS

**Waste from Residues / Unused Products** Dispose of in accordance with local regulations.

**Contaminated Packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Other Information** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

### 14. TRANSPORT INFORMATION

**IMDG/IMO** Not regulated

**RID** Not regulated

**ADR** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

## 15. REGULATORY INFORMATION

The product is non-dangerous in accordance with Directive 1999/45/EC

### Labeling

#### EU Labeling

Safety data sheet available for professional user on request

#### Symbol(s)

Not dangerous

#### R-phrase(s)

None

#### S-phrase(s)

No information available.

### International Inventories

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL/NDSL</b>	-
<b>PICCS</b>	-
<b>ENCS</b>	-
<b>IECSC</b>	-
<b>AICS</b>	-
<b>KECL</b>	-

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

## 16. OTHER INFORMATION

### Full text of R-phrases referred to under Sections 2 and 3

R10 - Flammable

R66 - Repeated exposure may cause skin dryness or cracking

R65 - Harmful: may cause lung damage if swallowed

R36 - Irritating to eyes

R41 - Risk of serious damage to eyes

R22 - Harmful if swallowed

R36/38 - Irritating to eyes and skin

#### **Prepared By**

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#### **Issuing Date**

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#### **Revision Date**

11-Mar-2011

#### **Revision Note**

Product Code change.

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet