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Revision Number 4

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

**Product Code(s)** 91048  
**Product Name** Mothers Marine PowerMetal  
**Recommended Use** Boat care

**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 preparation 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	EEC No. 265-149-8	No data available	64742-47-8	10-25	Xn;R65 R66
2-Butoxyethanol	203-905-0	No data available	111-76-2	<10	Xn;R20/21/22 Xi;R36/38
Pine Oil	304-455-9	No data available	8002-09-3	<1	Xi;R36/37/38

**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>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. If symptoms persist, 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 not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen.
<b>Notes to Physician</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Carbon dioxide (CO <sub>2</sub> ). Dry powder Dry chemical. Foam
<b>Extinguishing media which must not be used for safety reasons</b>	Do not use a solid water stream as it may scatter and spread fire
<b>Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases</b>	None in particular.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
<b>Personal Precautions</b>	If spilled, take caution, as material can cause surfaces to become very slippery
<b>Methods for Cleaning up</b>	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers Clean contaminated surface thoroughly.
<b>Other Information</b>	See Section 12 for additional information.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.
<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
2-Butoxyethanol 111-76-2	: TWA: 20 ppm TWA: 98 mg/m <sup>3</sup> STEL: 246 mg/m <sup>3</sup> STEL: 50 ppm	STEL: 50 ppm TWA: 25 ppm Skin	VME: 2 ppm VME: 9.8 mg/m <sup>3</sup> VLCT: 30 ppm VLCT: 147.6 mg/m <sup>3</sup>	S* VLA-EC: 50 ppm VLA-EC; 245 mg/m <sup>3</sup> VLA-EC VLA-ED: 20 ppm VLA-ED; 98 mg/m <sup>3</sup> VLA-ED	MAK: 10 ppm MAK: 49 mg/m <sup>3</sup> Ceiling / Peak: 20 ppm Ceiling / Peak: 98 mg/m <sup>3</sup> Skin TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m <sup>3</sup> STEL: 246 mg/m <sup>3</sup> STEL: 50 ppm Skin	TWA: 20 ppm	Skin STEL: 50 ppm STEL; 246 mg/m <sup>3</sup> STEL MAC: 20 ppm MAC; 100 mg/m <sup>3</sup> MAC	TWA: 20 ppm TWA: 98 mg/m <sup>3</sup> STEL: 50 ppm STEL: 250 mg/m <sup>3</sup> Skin	TWA: 20 ppm TWA: 98 mg/m <sup>3</sup> Skin

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
2-Butoxyethanol 111-76-2	Skin STEL 40 ppm STEL (4 X 30 min); 200 mg/m <sup>3</sup> STEL (4 X 30 min) MAK: 20 ppm MAK; 98 mg/m <sup>3</sup> MAK	Skin STEL: 20 ppm STEL; 98 mg/m <sup>3</sup> STEL MAK: 10 ppm MAK; 49 mg/m <sup>3</sup> MAK	NDSch: 200 mg/m <sup>3</sup> NDS: 98 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> Skin STEL: 20 ppm STEL: 75 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 98 mg/m <sup>3</sup> STEL: 246 mg/m <sup>3</sup> STEL: 50 ppm Skin

### Occupational Exposure Controls

#### Engineering Measures

Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

#### Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required

#### Eye Protection

Safety glasses with side-shields

#### Skin and Body Protection

No special protective equipment required

#### Hand Protection

Protective gloves

### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke.

### Environmental Exposure Controls

Do not allow material to contaminate ground water system

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

<b>Physical State</b>	Liquid.	<b>Appearance</b>	White
<b>Odor</b>	Pine		

### Important health safety and environmental information

<b>Flash Point</b>	> 105°C / > 221.3°F	<b>Boiling Point/Range</b>	75°C
<b>pH</b>	8.0	<b>Autoignition Temperature</b>	No information available
<b>Vapor Pressure</b>	No information available	<b>VOC Content(%)</b>	No information available
<b>Viscosity</b>	3200 cps	<b>Specific Gravity</b>	1.0904
<b>Evaporation Rate</b>	No information available	<b>Vapor Density</b>	No information available.

**Flammability Limits in Air**      No information available

### Other information

**Melting Point/Range**      No information available.

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Do not freeze Heat, flames and sparks.
<b>Materials to Avoid</b>	None in particular
<b>Hazardous Decomposition Products</b>	None under normal use. Thermal decomposition can lead to release of irritating gases and vapors.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions</b>	None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product Information

<b>Inhalation</b>	Avoid breathing vapors or mists. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
<b>Eye Contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	Prolonged or repeated contact may dry skin and cause irritation.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Poly(oxy-1,2-ethanediyl), .alpha.- [(1,1,3,3-tetramethylbutyl)phenyl]- .omega.-hydroxy-	4190 mg/kg ( Rat )		
Petroleum distillates, hydrotreated light	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	5.2 mg/L ( Rat ) 4 h
Pine Oil	3200 mg/kg ( Rat )	5 g/kg ( Rabbit )	
2-Butoxyethanol	470 mg/kg ( Rat )	220 mg/kg ( Rabbit ) 2270 mg/kg ( Rat )	2.21 mg/L ( Rat ) 4 h 450 ppm ( Rat ) 4 h

### Chronic Toxicity

<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen
<b>Sensitization</b>	No information available
<b>Reproductive Toxicity</b>	No information available
<b>Mutagenic Effects</b>	No information available
<b>Developmental Toxicity</b>	No information available.
<b>Target Organ Effects</b>	Blood. Eyes. Hematopoietic System Kidney. Liver. Respiratory system. Skin. Central nervous system (CNS).

### 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 Pimephales promelas 45 mg/L LC50 96 h Lepomis macrochirus 2.2 mg/L LC50 96 h Oncorhynchus mykiss 2.4 mg/L		LC50 96 h Den-dronereides heteropoda 4720 mg/L
2-Butoxyethanol		LC50 96 h Lepomis macrochirus 1490 mg/L LC50 96 h Lepomis macrochirus 2950 mg/L		EC50 24 h Daphnia magna 1698 - 1940 mg/L EC50 48 h Daphnia magna >1000 mg/L
Pine Oil				EC50 48 h Daphnia magna 17 - 28 mg/L

**Persistence and Degradability** No information available.

**Bioaccumulative Potential** No information available

**Mobility** No information available

Chemical Name	Log Pow
2-Butoxyethanol	0.81

## 13. DISPOSAL CONSIDERATIONS

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

**Contaminated Packaging** Dispose of in accordance with local regulations.

**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 preparation 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

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**16. OTHER INFORMATION**

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

R66 - Repeated exposure may cause skin dryness or cracking

R65 - Harmful: may cause lung damage if swallowed

R36/38 - Irritating to eyes and skin

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

R36/37/38 - Irritating to eyes, respiratory system and skin

**Issuing Date** 03-May-2007**Revision Date** 01-Dec-2009**Revision Note** (M)SDS sections updated, 3.**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006****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**