MOTHERS
Polishes•Waxes•Cleaners

SAFETY DATA SHEET

Issuing Date 04-Apr-2007 **Revision Date** 02-Dec-2009 **Revision Number** 3

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

Product Code(s) **91058**
Product Name **Mothers Marine PowerPlastic**

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 classified as dangerous in accordance with Directive 1999/45/EC.

Classification
R52/53

Hazard Symbols

Most Important Hazards

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC-No	REACH No.	CAS-No	Weight %	Classification
Deodorized kerosene	EEC No. 232-366-4	No data available	8008-20-6	10-25	Xn;R65
calcined kaolin clay	EEC No. 266-340-9	No data available	66402-68-4	<10	R33
Isopropyl alcohol	200-661-7	No data available	67-63-0	<10	F;R11 Xi;R36 R67
Mineral Spirits	EEC No. 232-489-3	No data available	8052-41-3	<10	R10 Xn;R65 R66
Oleamide dea	202-281-7	No data available	93-83-4	<1	N;R50/53

D-Limonene	227-813-5	No data available	5989-27-5	<1	R10 Xi;R38-43 N;R50-53
Pseudocumene	EEC No. 202-436-9	No data available	95-63-6	<1	R10 Xn;R20 Xi;R36/37/38 N;R51-53
Methyl alcohol	EEC No. 200-659-6	No data available	67-56-1	<1	F;R11 T;R23/24/25- 39/23/24/25

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

4. FIRST AID MEASURES

General Advice May produce an allergic reaction If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin Contact Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician.

Ingestion Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Consult a physician.

Inhalation 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. Get medical attention immediately if symptoms occur

Notes to Physician Treat symptomatically.

Protection of First-aiders Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Carbon dioxide (CO_2). 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 Product is or contains a sensitizer

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

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
Personal Precautions	Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation. If spilled, take caution, as material can cause surfaces to become very slippery
Methods for Cleaning up	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers Clean contaminated surface thoroughly.
Other Information	See Section 12 for additional information.

7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist
Storage	Keep containers tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits .

Chemical Name	EU	The United Kingdom	France	Spain	Germany
calcined kaolin clay 66402-68-4		TWA: 0.5 mg/m^3 TWA: 5 mg/m^3		VLA-EC: 10 VLA-ED: 0.0002 VLA-ED: 0.002 VLA-ED: 0.01 VLA-ED: 0.02 VLA-ED: 0.2 VLA-ED: 0.5 VLA-ED: 1 VLA-ED: 5	MAK: 0.5 mg/m^3 Ceiling / Peak: 0.5 mg/m^3 TWA: 0.5 mg/m^3
Isopropyl alcohol 67-63-0		STEL: 1250 mg/m^3 STEL: 500 ppm TWA: 400 ppm TWA: 999 mg/m^3	VLCT: 980 mg/m^3 VLCT: 400 ppm	VLA-EC: 1250 VLA-EC: 500 VLA-ED: 400 VLA-ED: 998	MAK: 200 ppm MAK: 500 mg/m^3 Ceiling / Peak: 1000 mg/m^3 Ceiling / Peak: 400 ppm TWA: 200 ppm TWA: 500 mg/m^3
D-Limonene 5989-27-5					MAK: 110 mg/m^3 MAK: 20 ppm Ceiling / Peak: 220 mg/m^3 Ceiling / Peak: 40 ppm
Pseudocumene 95-63-6	TWA: 100 mg/m^3 TWA: 20 ppm		VME: 100 mg/m^3 VME: 20 ppm VLCT: 50 ppm VLCT: 250 mg/m^3	VLA-ED: 20 ppm VLA-ED; 100 mg/m^3 VLA-ED	MAK: 100 mg/m^3 MAK: 20 ppm Ceiling / Peak: 200 mg/m^3 Ceiling / Peak: 40 ppm TWA: 100 mg/m^3 TWA: 20 ppm
Methyl alcohol 67-56-1	TWA: 200 ppm TWA: 260 mg/m^3 Skin	STEL: 250 ppm STEL: 333 mg/m^3 TWA: 200 ppm TWA: 266 mg/m^3 Skin	VME: 200 ppm VME: 260 mg/m^3 VLCT: 1000 ppm VLCT: 1300 mg/m^3	S* VLA-ED: 200 ppm VLA-ED; 266 mg/m^3 VLA-ED	MAK: 200 ppm MAK: 270 mg/m^3 Ceiling / Peak: 1080 mg/m^3 Ceiling / Peak: 800 ppm Skin TWA: 200 ppm TWA: 270 mg/m^3

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
Deodorized kerosene 8008-20-6		TWA: 200 ppm			

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
calcined kaolin clay 66402-68-4		STEL: 0.01 mg/m^3 STEL: 10 mg/m^3 TWA: 0.5 mg/m^3 TWA: 1 mg/m^3 TWA: 5 mg/m^3 TWA: 0.02 mg/m^3 TWA: 0.002 mg/m^3 TWA: 0.2 mg/m^3	STEL: 3 MAC: 0.005 MAC: 0.5		TWA: 0.001 mg/m^3 TWA: 0.005 mg/m^3 TWA: 0.01 mg/m^3 TWA: 0.2 mg/m^3 TWA: 0.5 mg/m^3 TWA: 1 mg/m^3 TWA: 5 mg/m^3
Isopropyl alcohol 67-63-0		STEL: 400 ppm TWA: 200 ppm		TWA: 200 ppm TWA: 500 mg/m^3 STEL: 250 ppm STEL: 620 mg/m^3	TWA: 200 ppm TWA: 490 mg/m^3
Mineral Spirits 8052-41-3		TWA: 100 ppm	MAC: 100 ppm MAC; 575 mg/m^3 MAC		TWA: 145 mg/m^3 TWA: 25 ppm
D-Limonene 5989-27-5				TWA: 25 ppm TWA: 140 mg/m^3 STEL: 280 mg/m^3 STEL: 50 ppm	
Pseudocumene 95-63-6	TWA: 100 mg/m^3 TWA: 20 ppm		STEL: 40 ppm STEL; 200 mg/m^3 STEL MAC: 20 ppm MAC; 100 mg/m^3 MAC	TWA: 20 ppm TWA: 100 mg/m^3	TWA: 100 mg/m^3 TWA: 20 ppm
Methyl alcohol 67-56-1		STEL: 250 ppm TWA: 200 ppm	Skin STEL: 400 ppm STEL; 520 mg/m^3 STEL MAC: 200 ppm MAC; 260 mg/m^3 MAC	TWA: 270 mg/m^3 TWA: 200 ppm STEL: 250 ppm STEL: 330 mg/m^3 Skin	TWA: 200 ppm TWA: 260 mg/m^3 Skin

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
calcined kaolin clay 66402-68-4	STEL 0.4 STEL 1 STEL 1.5 STEL 2 STEL 4 MAK: 0.1 MAK: 0.25 MAK: 0.5 MAK: 5	Skin STEL: 1 MAK: 0.002 MAK: 0.015 MAK: 0.1 MAK: 0.2 MAK: 0.5 MAK: 5	NDSCh: 1.5 mg/m^3 NDSCh: 10 mg/m^3 NDSCh: 30 mg/m^3 NDS: 0.01 mg/m^3 NDS: 0.3 mg/m^3 NDS: 0.5 mg/m^3 NDS: 1 mg/m^3 NDS: 10 mg/m^3 NDS: 5 mg/m^3	TWA: 0.001 mg/m^3 TWA: 0.02 mg/m^3 TWA: 0.05 mg/m^3 TWA: 0.2 mg/m^3 TWA: 0.5 mg/m^3 TWA: 2.5 mg/m^3 TWA: 5 mg/m^3 STEL: 0.003 mg/m^3 STEL: 0.06 mg/m^3 STEL: 0.15 mg/m^3 STEL: 0.6 mg/m^3 STEL: 1.5 mg/m^3 STEL: 10 mg/m^3 STEL: 5 mg/m^3	

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Isopropyl alcohol 67-63-0	STEL 2000 STEL 800 MAK: 200 MAK: 500	STEL: 1000 STEL: 400 MAK: 200 MAK: 500	NDSCh: 1200 mg/m^3 NDS: 900 mg/m^3 Skin	TWA: 100 ppm TWA: 245 mg/m^3 STEL: 150 ppm STEL: 306.25 mg/m^3	TWA: 200 ppm Skin
Mineral Spirits 8052-41-3			NDSCh: 900 mg/m^3 NDS: 300 mg/m^3		TWA: 100 ppm TWA: 573 mg/m^3
D-Limonene 5989-27-5		STEL: 40 ppm STEL; 220 mg/m^3 STEL MAK: 20 ppm MAK; 110 mg/m^3 MAK		TWA: 140 mg/m^3 TWA: 25 ppm STEL: 175 mg/m^3 STEL: 37.5 ppm	
Pseudocumene 95-63-6	STEL 30 ppm STEL; 150 mg/m^3 STEL MAK: 20 ppm MAK; 100 mg/m^3 MAK		NDSCh: 170 mg/m^3 NDS: 100 mg/m^3 Skin		TWA: 100 mg/m^3 TWA: 20 ppm
Methyl alcohol 67-56-1		Skin STEL: 800 ppm STEL; 1040 mg/m^3 STEL MAK: 200 ppm MAK; 260 mg/m^3 MAK	NDSCh: 300 mg/m^3 NDS: 100 mg/m^3 Skin	TWA: 100 ppm TWA: 130 mg/m^3 Skin STEL: 150 ppm STEL: 162.5 mg/m^3	TWA: 200 ppm TWA: 260 mg/m^3 STEL: 250 ppm STEL: 310 mg/m^3 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 Lightweight protective clothing.

Hand Protection Protective gloves

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

Environmental Exposure Controls Do not allow material to contaminate ground water system

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State Liquid.
Odor Perfume
Appearance White

Important health safety and environmental information

Flash Point > 105°C / > 221°F
pH 9.0
Vapor Pressure No information available
Viscosity 600-900 cps
Evaporation Rate No information available
Boiling Point/Range 93.3°C / 199.9°F
Autoignition Temperature No information available
VOC Content(%) No information available
Specific Gravity 1.008
Vapor Density No information available.

Flammability Limits in Air No information available

Other information

Melting Point/Range No information available.

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Conditions to Avoid Do not freeze

Materials to Avoid Strong acids. Strong oxidizing agents.

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO_2).

Hazardous Reactions None under normal processing.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Inhalation May cause sensitization of susceptible persons. Avoid breathing vapors or mists. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

Eye Contact Contact with eyes may cause irritation.

Skin Contact May cause sensitization of susceptible persons. Repeated exposure may cause skin dryness or cracking.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Deodorized kerosene	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	5.28 mg/L (Rat) 4 h
Isopropyl alcohol	4396 mg/kg (Rat)	12800 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h

Chronic Toxicity

Carcinogenicity Occupational health effects due to inhalation of mineral dusts incorporating crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc) graphite or coal unlikely to occur from exposure to this product.

Sensitization May cause sensitization of susceptible persons.

Reproductive Toxicity This product does not contain any known or suspected reproductive hazards.

Mutagenic Effects No information available

Developmental Toxicity No information available.

Target Organ Effects Respiratory system. Skin. Central nervous system (CNS). Blood. Eyes. Gastrointestinal tract (GI). Kidney.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment..

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Isopropyl alcohol	EC50 96 h Desmodesmus subspicatus >1000 mg/L EC50 72 h Desmodesmus subspicatus >1000 mg/L	LC50 96 h Pimephales promelas 9640 mg/L LC50 96 h Pimephales promelas 11130 mg/L LC50 96 h Lepomis macrochirus >1400000 µg/L		EC50 48 h Daphnia magna 13299 mg/L
D-Limonene		LC50 96 h Pimephales promelas 0.619-0.796 mg/L LC50 96 h Oncorhynchus mykiss 35 mg/L		
Pseudocumene		LC50 96 h Pimephales promelas 7.19-8.28 mg/L		EC50 48 h Daphnia magna 6.14 mg/L
Methyl alcohol		LC50 96 h Pimephales promelas 28200 mg/L LC50 96 h Pimephales promelas >100 mg/L LC50 96 h Oncorhynchus mykiss 19500-20700 mg/L LC50 96 h Oncorhynchus mykiss 18-20 ml/L LC50 96 h Lepomis macrochirus 13500-17600 mg/L	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	

Persistence and Degradability No information available.

Bioaccumulative Potential No information available

Mobility No information available

Chemical Name	Log Pow
Isopropyl alcohol	0.05
Pseudocumene	3.63
Methyl alcohol	-0.77

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 preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Labeling

Contains D-Limonene . May produce an allergic reaction.

R-phrase(s)
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrase(s)
S35 - This material and its container must be disposed of in a safe way

International Inventories

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

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

R65 - Harmful: may cause lung damage if swallowed
R33 - Danger of cumulative effects
R11 - Highly flammable
R67 - Vapors may cause drowsiness and dizziness
R36 - Irritating to eyes
R10 - Flammable
R66 - Repeated exposure may cause skin dryness or cracking
R53 - May cause long-term adverse effects in the aquatic environment
R50 - Very toxic to aquatic organisms
R43 - May cause sensitization by skin contact
R38 - Irritating to skin
R51 - Toxic to aquatic organisms
R20 - Harmful by inhalation
R36/37/38 - Irritating to eyes, respiratory system and skin
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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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