

Issuing Date 30-Oct-2009

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Revision Number 2

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

Product Code(s) 91556
Product Name Mothers Marine Synthetic Wax
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
Naphtha (petroleum), heavy alkylate	265-067-2	No data available	64741-65-7	10-25	Xn;R65 R66 R53
calcined kaolin clay	EEC No. 266-340-9	No data available	66402-68-4	10-25	R33
Isopropyl alcohol	200-661-7	No data available	67-63-0	<10	F;R11 Xi;R36 R67

D-Limonene	227-813-5	No data available	5989-27-5	<1	R10 Xi;R38-43 N;R50-53
Oleamide dea	202-281-7	No data available	93-83-4	<1	N;R50/53

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. If symptoms persist, call 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. 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	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Extinguishing media which must not be used for safety reasons	No information available.
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

Environmental Precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.
Personal Precautions	Use personal protective equipment. Avoid contact with the skin and the eyes. 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

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

Storage

Keep containers tightly closed in a cool, 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
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

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
D-Limonene 5989-27-5				TWA: 25 ppm TWA: 140 mg/m ³ STEL: 280 mg/m ³ STEL: 50 ppm	

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
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	

Occupational Exposure Controls Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment Respiratory Protection

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

Eye Protection Skin and Body Protection Hand Protection

Safety glasses with side-shields
Lightweight protective clothing.
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.	Appearance	White
Odor	Perfume		

Important health safety and environmental information

Flash Point	> 105°C / > 221.3°F	Boiling Point/Range	102°C
pH	9.0	Autoignition Temperature	No information available
Vapor Pressure	No information available	VOC Content(%)	No information available
Viscosity	1900 cps	Specific Gravity	1.010
Evaporation Rate	No information available	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 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. Carbon oxides.
Hazardous Polymerization	Hazardous polymerization does not occur
Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Inhalation	No known effect. Avoid breathing vapors or mists.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Prolonged contact may cause redness and irritation.
Ingestion	No known effect.

Component Information

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 by skin contact.
Reproductive Toxicity	Contains material that may cause adverse reproductive effects.
Mutagenic Effects	No information available
Developmental Toxicity	No information available.
Target Organ Effects	Eyes. Respiratory system. Skin.
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)
Naphtha (petroleum), heavy alkylate	EC50 72 h Pseudokirchneriella subcapitata 30000 mg/L			LC50 48 h Mysidopsis bahia 2 mg/L

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Isopropyl alcohol	EC50 96 h <i>Desmodesmus subspicatus</i> >1000 mg/L EC50 72 h <i>Desmodesmus subspicatus</i> >1000 mg/L	LC50 96 h <i>Pimephales promelas</i> 9640 mg/L LC50 96 h <i>Pimephales promelas</i> 11130 mg/L LC50 96 h <i>Lepomis macrochirus</i> >1400000 µg/L		EC50 48 h <i>Daphnia magna</i> 13299 mg/L
D-Limonene		LC50 96 h <i>Pimephales promelas</i> 0.619-0.796 mg/L LC50 96 h <i>Oncorhynchus mykiss</i> 35 mg/L		

Persistence and Degradability No information available.

Bioaccumulative Potential No information available

Mobility No information available

Chemical Name	Log Pow
Isopropyl alcohol	0.05

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 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**

R53 - May cause long-term adverse effects in the aquatic environment

R66 - Repeated exposure may cause skin dryness or cracking

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

R50 - Very toxic to aquatic organisms

R10 - Flammable

R43 - May cause sensitization by skin contact

R38 - Irritating to skin

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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Revision Date 02-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