

286-035

MOTHERS[®]

Polishes • Waxes • Cleaners

Material Safety Data Sheet

Issuing Date 28-Oct-2009

Revision Date 03-May-2013

Revision Number 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Mothers Reflections Advanced Car Wax
Product Code(s)	10016
Recommended Use	Car care

Supplier Address

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

Emergency Telephone Number	Chemtrec 1-800-424-9300
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2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

May cause skin and eye irritation
Harmful: may cause lung damage if swallowed

Appearance White	Physical State Liquid	Odor Perfume
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Potential Health Effects

Principle Routes of Exposure Inhalation, Skin contact Eye contact

Acute Toxicity

Eyes	May cause irritation
Skin	May cause irritation. Repeated exposure may cause skin dryness or cracking.
Inhalation	No known effect based on information supplied.
Ingestion	Harmful: may cause lung damage if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects

Repeated contact may cause allergic reactions in very susceptible persons.

Aggravated Medical Conditions

Skin disorders. Pre-existing eye disorders.

Environmental Hazard

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Naphtha (petroleum), heavy alkylate	64741-65-7	10-25
Calcined kaolin clay	66402-68-4	10-25
Isopropyl alcohol	67-63-0	< 10
D-Limonene	5989-27-5	< 1
Oleamide dea	93-83-4	< 1

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.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

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

Notes to Physician Treat symptomatically.

Protection of First-aiders Use personal protective equipment.

5. FIRE FIGHTING MEASURES

Flammable Properties Not flammable

Flash Point > 221.3 °F / > 105 °C

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None

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

NFPA Health Hazard 1 Flammability 1 Instability 0 Physical and Chemical Hazards N/A

HMIS Health Hazard 1 Flammability 1 Physical Hazard 0 Personal Protection B

6 ACCIDENTAL RELEASE MEASURES

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.
Environmental Precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Use personal protective equipment. Dam up. Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly.

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 Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Calcined kaolin clay 66402-68-4	STEL: 10 mg/m ³ Zr TWA: 5 mg/m ³ Zr TWA: 0.2 mg/m ³ Mn	TWA: 5 mg/m ³ Zr (vacated) TWA: 5 mg/m ³ Zr (vacated) STEL: 10 mg/m ³ Zr	TWA: 5 mg/m ³ respirable dust TWA: 10 mg/m ³ total dust
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m ³ TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m ³

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields

Skin and Body Protection

Protective gloves. Lightweight protective clothing.

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.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White.	Odor	Perfume.
Odor Threshold	No information available.	Physical State	Liquid.
pH	9.0	Autoignition Temperature	No information available
Flash Point	> 221.3 °F / > 105 °C	Boiling Point/Boiling Range	102 °C
Decomposition Temperature	No information available.	Flammability Limits in Air	No information available
Melting Point/Range	No data available		

Specific Gravity	1.010	Solubility	No information available
Evaporation Rate	No data available	Vapor Pressure	No data available.
Vapor Density	No data available.	VOC Content (%)	<15
Viscosity	2000-3000 cps		

STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Products	None known based on information supplied.
Conditions to Avoid	Do not freeze. Heat, flames and sparks.
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

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Naphtha (petroleum), heavy alkylate	> 7000 mg/kg (Rat)	> 2000 mg/kg (Rabbit) > 3000 mg/kg (Rat)	> 5.04 mg/L (Rat) 4 h
Paraffinic, naphthenic solvent	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Poly(dimethylsiloxane)	> 17 g/kg (Rat)	> 2 g/kg (Rabbit)	
Isopropyl alcohol	= 4396 mg/kg (Rat)	12800 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h
D-Limonene	5000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	-
Oleamide dea	= 12400 µL/kg (Rat)		
Octamethylcyclotetrasiloxane	= 1540 mg/kg (Rat)	= 784 µL/kg (Rabbit) > 2400 mg/kg (Rat) > 4640 mg/kg (Rabbit)	> 12.7 mg/kg (Rat) 4 h > 17.6 mg/L (Rat) 1 h

Chronic Toxicity

Chronic Toxicity Repeated contact may cause allergic reactions in very susceptible persons

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.

Chemical Name	ACGIH	IARC	NTP	OSHA
Calcined kaolin clay		Group 2B		X
Isopropyl alcohol		Group 3		X
D-Limonene		Group 3	-	-

IARC: (International Agency for Research on Cancer)

Group 3: Not Classifiable as to its Carcinogenicity to Humans

Group 2B - Possibly Carcinogenic to Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Sensitization May cause sensitization by skin contact.

Target Organ Effects Eyes, Respiratory system, Skin

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 = 30000 mg/L (Pseudokirchneriella subcapitata)			LC50 48 h = 2 mg/L (Mysidopsis bahia)
Isopropyl alcohol	EC50 96 h > 1000 mg/L (Desmodesmus subspicatus) EC50 72 h. > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h = 11130 mg/L static (Pimephales promelas) LC50 96 h = 9640 mg/L flow-through (Pimephales promelas) LC50 96 h > 1400000 µg/L (Lepomis macrochirus)		EC50 48 h = 13299 mg/L (Daphnia magna)
D-Limonene		LC50 96 h 0.619-0.796 mg/L flow-through (Pimephales promelas) LC50 96 h = 35 mg/L (Oncorhynchus mykiss)		
Chemical Name Isopropyl alcohol			Log Pow 0.05	

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to state and Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste pursuant to Federal regulations, and the applicable state requirements for the specific area of disposal. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of in accordance with local regulations

California Hazardous Waste Codes 331

This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical Name	California Hazardous Waste
Calcined kaolin clay	Toxic soluble Toxic
Isopropyl alcohol	Toxic Ignitable
D-Limonene	Toxic

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated.
<u>TDG</u>	Not regulated.
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated.
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
EINECS	Complies
ELINCS	Complies

Legend

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

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

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Calcined kaolin clay	68402-68-4	10-25	1.0
Isopropyl alcohol	67-63-0	<10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Calcined kaolin clay		X		

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Calcined kaolin clay			X		X
Isopropyl alcohol	X	X	X		X

International Regulations

Mexico - Grade

Slight risk, Grade 1

Chemical Name	Carcinogen Status	Exposure Limits
Calcined kaolin clay		Mexico TWA 5 mg/m ³ Mexico TWA 0.2 mg/m ³ Mexico STEL 10 mg/m ³
Isopropyl alcohol		Mexico TWA 400 ppm Mexico TWA 980 mg/m ³ Mexico STEL 500 ppm Mexico STEL 1225 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

Component	NPRI
Isopropyl alcohol 67-63-0 (< 10)	X

Legend

NPRI - National Pollutant Release Inventory

6. OTHER INFORMATION

Prepared By Product Stewardship
23 British American Blvd
Latham, NY 12110
1-800-572-6501

Issuing Date 28-Oct-2009
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Revision Note Not applicable

General Disclaimer

The information provided on this MSDS 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