

# Material Safety Data Sheet



## 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Trade Name:** CLEAN & REVIVE Neutral Floor Cleaner (Read-To-Use)  
**Manufacturer:** FOR LIFE PRODUCTS, INC.  
2301 SW 145 Avenue  
Miramar, FL 33027  
**Phone:** (954)-747-3300  
**Fax:** (954)-747-3311  
**Emergencies:** (800) 424-9300

## 2 COMPOSITION & INFORMATION ON INGREDIENTS

<b>Ingredient Name:</b>	<b>CAS Number:</b>	<b>Percent:</b>
Water	7732-18-5	>98
CocoDea Amide	61789-19-3	< 2
Sodium Tripolyphosphate	7758-29-4	< 0.5
Yellow Dye	Trace Amount	<0.1
Lemon Fragrance	Trace Amount	<0.1

## 3 EMERGENCY OVERVIEW

Clear yellow-colored liquid at 25°C, Mild Lemon Odor

May cause irritation to the eyes, skin and respiratory system

**Health Effects: Eyes** This product may cause slight eye irritation.

**Health Effects: Skin** May cause slight skin irritation.

**Health Effects: Inhalation** High vapor or aerosol mist concentrations may be irritating to the nose, throat and upper respiratory tract.

**Health Effects: Ingestion** Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea and diarrhea.

## 4 FIRST AID MEASURES

**Eyes:** Flush with large amounts of water for at least 15 minutes.

If irritation persists, seek medical attention.

**Skin:** Wash exposed areas. If irritation persists, seek medical attention.

**Inhalation:** Immediately remove individual to fresh air. Seek medical attention.

**Ingestion:** If ingestion of large amount does occur, seek medical attention. Do not induce vomiting.

## 5 FIRE FIGHTING MEASURES

**Flash Point:** None to boiling (PMCC)

**Extinguishing Media:** Material is non combustible, non-flammable..

**Fire Fighting Equipment / Instructions:**

Water spray, Dry Chemical, CO<sub>2</sub>, or Foam may be used where product is stored.

## **6 ACCIDENTAL RELEASE MEASURES SPILL AND LEAK PROCEDURES**

### **Emergency Action:**

Contain or isolate spill or leak area immediately. Keep unauthorized personnel away.

Wear appropriate personal protective equipment during cleanup.

### **Small Spills:**

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

### **Large Spills:**

Dike ahead of liquid spill for later disposal.

Prevent entry into waterways, sewers, basements or confined areas.

Surfaces may become slippery after spillage.

## **7 HANDLING & STORAGE**

### **Handling Procedures:**

Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

### **Storage Procedures:**

Store in a dry, well-ventilated area.

## **8 EXPOSURE CONTROLS & PERSONAL PROTECTION**

### **Engineering Controls:**

Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

### **Personal Protective Equipment: Eyes/Face**

Wear safety glasses or chemical goggles and a face shield if splashing is possible.

### **Personal Protective Equipment: Skin**

Wear suitable protective clothing. Use impervious gloves.

### **Personal Protective Equipment: Respiratory**

If vapors are present or irritation is experienced, NIOSH approved respiratory protection should be worn.

## **9 PHYSICAL & CHEMICAL PROPERTIES**

<b>Form:</b>	Fluid
<b>Appearance:</b>	Light Yellow Liquid
<b>Specific Gravity (water = 1):</b>	Approx. 1 @ 25°C
<b>Boiling Point:</b>	100°C / 212°F
<b>Solubility in Water (by weight %):</b>	Completely Soluble
<b>Odor:</b>	Slight Lemon Odor
<b>Color:</b>	Light Yellow to Water White
<b>Vapor Pressure (mm Hg at 20°C):</b>	TBD Hg
<b>Vapor Density (air = 1):</b>	Estimated heavier than air.
<b>VOC:</b>	None
<b>Viscosity cSt at 40°C:</b>	TBD

## **10 STABILITY & REACTIVITY**

<b>Chemical Stability:</b>	Stable.
<b>Conditions to Avoid:</b>	Freezing Temperatures.
<b>Incompatibility:</b>	None known.
<b>Hazardous Decomposition:</b>	None Known.
<b>Hazardous Polymerization:</b>	Will not occur.

## **11 TOXICOLOGICAL INFORMATION**

**Carcinogenicity:** Not listed as carcinogenic according to IARC, NTP or OSHA.  
**Mutagenicity:** This product class is non-mutagenic.  
**LD50 Values:** TBD

## **12 ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available.  
**Environmental impact:** This product is biodegradable.

## **13 DISPOSAL CONSIDERATIONS**

### **Disposal Instructions:**

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State and Local regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

## **14 TRANSPORT INFORMATION**

### **DOT Proper Shipping Name:**

Non-Regulated, Non-Hazardous Cleaning Compound.

## **15 REGULATORY INFORMATION**

### **Ingredient Name    Water based Cleaning Compound**

**Inventories:** All components of this product are listed on the following inventories: U.S.A.(TSCA), Canada(DSL), Europe(EINECS/ELINCS/Polymer/NLP).

There is no calculable reportable quantity (RQ) for this product.

## **16 OTHER INFORMATION**

Flammability NFPA

### **HAZARD RATING**

4 - Extreme 3 - High Toxicity Reactivity 2 - Moderate 1 - Slight 0 - Insignificant Special

### **HMIS HAZARD INDEX (Hazardous Materials Identification System)**

4 - Severe	<b>HMIS RATINGS</b>	
3 - Serious	Health	1
2 - Moderate	Flammability	0
1- Slight	Reactivity	0
0 - Minimal	Personal Protection	B

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# MATERIAL SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union standards



## 1. PRODUCT IDENTIFICATION

**TRADE NAME (AS LABELED):** REJUVENATE CABINET & FURNITURE RESTORER  
**CHEMICAL NAME/CLASS:** Mixture  
**MANUFACTURER'S NAME:** FOR LIFE PRODUCTS, INC.  
**ADDRESS:** 2301 SW 145 AVENUE  
MIRAMAR, FL 33027  
**BUSINESS PHONE:** 954-747-3300  
**EMERGENCY PHONE:** 800-424-9300  
**DATE ISSUED:** August 30, 2010  
**PREVIOUS REVISION DATE:** August 30, 2010

## 2. HAZARD IDENTIFICATION

**EMERGENCY OVERVIEW: Product Description:** This product is a water based clear liquid with a slight aromatic odor. **Health Hazards:** May be irritating to the eyes and skin upon contact. Vapors/mists may cause respiratory irritation. This product contains an ingredient that exposure for prolonged periods of time may harm unborn fetus. **Flammability Hazards:** This product is not a Flammable Liquid. **Reactivity Hazards:** None known. **Environmental Hazards:** This is not expected to be toxic to aquatic life. **Emergency Considerations:** Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

**EU LABELING AND CLASSIFICATION:** This product meets the definition of the following hazard class as defined by the European Economic Community Guidelines.

**Hazard Classification:** [Xi] Irritant [Xn] Harmful

**Risk Phrases:** R37 / 38 Irritating to respiratory system and skin; R63: Possible risk to the unborn child

**Safety Phrases:** S36 / 37 / 39 Wear suitable protective clothing, gloves and eye/face protection.

**Annex II Hazard Symbol:**



### HEALTH HAZARDS OR RISKS FROM EXPOSURE:

**Acute** This substance may be irritating upon contact to the eyes and the skin. Prolonged exposure to mists and vapors may cause dizziness or nausea.  
**Chronic** None known

## 3. COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Water	7732-18-5	231-791-2	N.E	>90%	HAZARD CLASSIFICATION: NON-HAZARDOUS RISK PHRASES: NONE
Diethylene Glycol Methyl Ether	111-77-3	203-906-6	0040	<5.0%	HAZARD CLASSIFICATION: [Xn] HARMFUL RISK PHRASES: R63
Dipropylene Glycol Monomethyl Ether	34590-94-8	252-104-2	0884	<1.5%	HAZARD CLASSIFICATION: [Xi] IRRITANT RISK PHRASES: R37/38
Balance of water and other components. Each of the other components is present in less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens)					HAZARD CLASSIFICATION: NOT CLASSIFIED RISK PHRASES: NONE

N.E. = Not Established.

# MATERIAL SAFETY DATA SHEET

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

See Section 2 for full text of Ingredient Risk Phrases and Safety Phrases

## 4. FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

- EYE CONTACT:** If this product contacts the eyes, immediately flush the eyes with large amounts of water. Get medical attention if irritation occurs.
- SKIN CONTACT:** Wash the affected areas with soap and water. Remove contaminated clothing. If irritation occurs seek medical attention.
- INHALATION:** If large amounts of this product are inhaled or if breathing difficulties occur. Move the exposed person to fresh air at once. If breathing continues to be difficult or has stopped, perform artificial respiration. Get medical attention immediately.
- INGESTION:** If this product has been swallowed. Do induce vomiting. Seek medical attention immediately.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin problems may be aggravated by prolonged contact.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and eliminate overexposure.

## 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** > 200°F (93° C)

**AUTOIGNITION TEMPERATURE:** Not Established

**FLAMMABLE LIMITS (in air by volume, %):** Not Established

**FIRE EXTINGUISHING MATERIALS:** Suitable for surrounding area

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None Known

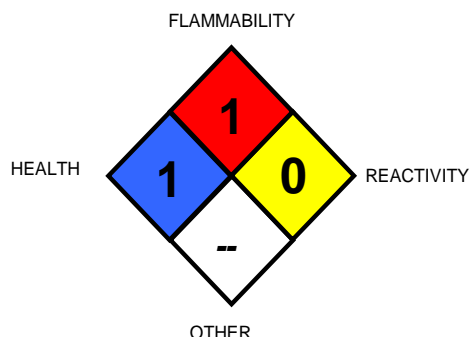
Explosion Sensitivity to Mechanical Impact: Not Sensitive

Explosion Sensitivity to Static Discharge: Not Sensitive

**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive

areas.

### NFPA RATING



Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate  
3 = Serious 4 = Severe

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Proper protective equipment should be used. Personnel should be trained for spill response operations.

**Spills:** Absorb spilled material using polypads or other suitable absorbent material. Avoid generating mists or sprays. Place all spill residue in an appropriate container and seal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations). Dispose of recovered material and report spill per regulatory requirements.

## 7. HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing mists or sprays generated by this product. Use in a well-ventilated location. Remove contaminated clothing after use.

**STORAGE AND HANDLING PRACTICES:** Store product in a cool location but avoid freezing. Protect from physical damage.

# MATERIAL SAFETY DATA SHEET

## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation, and process enclosure if necessary, to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

**EXPOSURE LIMITS/GUIDELINES:**

<b>Chemical Name</b>	<b>CAS#</b>	<b>ACGIH-TLV's</b>	<b>OSHA PEL's</b>	<b>NIOSH- TLV's</b>	<b>Other</b>
Diethylene Glycol Methyl Ether	111-77-3	Not Listed	Not Listed	Not Listed	NE
Dipropylene Glycol Monomethyl Ether	34590-94-8	TWA 150 ppm	TWA 150 ppm	TWA 150 ppm	NE

NE = Not Established.

NIC = Notice of Intended Change See Section 16 for Definitions of Terms Used.

Currently, International exposure limits are established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** If exposure limits are exceeded, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under U.S. Federal OSHA's Respiratory Protection Standard (1910.134-1998) or the regulations of various U.S. States, Canada, EU Member States, or those of Japan. Air-purifying respirators with dust/mist/fume filters are recommended if operations may produce mists or sprays from this product.

**EYE PROTECTION:** Splash goggles or safety glasses with side shields recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**HAND PROTECTION:** Compatible protective gloves recommended. Wash hands after removing gloves. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**BODY PROTECTION:** Use body protection appropriate for task. Coveralls, rubber aprons, or chemical protective clothing made from natural rubber are generally acceptable, depending upon the task. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

## 9. PHYSICAL and CHEMICAL PROPERTIES

**DENSITY:** Not Established

**SPECIFIC GRAVITY @ 20°C:** <1 (water=1)

**VAPOR PRESSURE, mm Hg @ 20°C (68°F):** Not Established

**ODOR THRESHOLD:** Slight

**APPEARANCE, ODOR and COLOR:** product is a water based clear liquid with a slight aromatic odor

**EVAPORATION RATE (n-BuAc=1):** Not Established

**SOLUBILITY IN WATER:** Soluble

**pH:** Not Available

## 10. STABILITY and REACTIVITY

**STABILITY:** Stable.

**DECOMPOSITION PRODUCTS:** When burned: CO<sub>2</sub>, CO, or Hydrocarbons may be omitted

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** Strong oxidizers.

**HAZARDOUS DEPOLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Extreme temperatures, incompatible materials.

# MATERIAL SAFETY DATA SHEET

## 11. TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** The specific toxicology data available for components greater than 1% in concentration are as follows.

COMPOUND [CAS]	ROUTE	SPECIES	EXPOSURE & DOSE
111-77-3	Oral	Rat	LD50 9.2 g/kg
111-77-3	Skin	Rabbit	LD50 20.2 g/kg
34590-94-8	Oral	Rat	LD50 5130 mg/kg
34590-94-8	Skin	Rabbit	LD50 9500 mg/kg

**SUSPECTED CANCER AGENT:** The components of this product are not listed by agencies tracking the carcinogenic potential of chemical compounds as follows:

**Carcinogenity**

NTP Regulated	No
IARC Regulated	No
OSHA Regulated	No

**IRITANCY OF PRODUCT:** Airborne mist of this product can irritate eyes.

**SENSITIZATION TO THE PRODUCT:** These products are not known to cause human skin or respiratory sensitization.

**REPRODUCTIVE TOXICITY INFORMATION:** Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: The components of this product are not reported to produce mutagenic effects in humans.

Embryotoxicity: The components of this product are not reported to produce embryotoxic effects in humans.

Teratogenicity: The components of this product are not reported to produce teratogenic effects in humans.

Reproductive Toxicity: The components of this product are reported to produce reproductive effects in animal studies.

## 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**Ecotoxicity** This material is highly soluble in water. This material should exhibit low toxicity to aquatic organisms.

**BOD5 and COD** No data available

**Products of Biodegradation** This material should biodegrade after an acclimation period.

**Toxicity** This material is highly soluble in water and should not bioaccumulate in aquatic or terrestrial organisms.

**Other Ecological Remarks** No data available

## 13. DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

## 14. TRANSPORTATION INFORMATION

**US DOT, IATA, IMO, ADR:**

**DOT Classification** Non-regulated material

**Special Provisions for Transport** None

**DOT Labeling Requirements** None

**IATA Labeling Requirements** None

**U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:** This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

**TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:** This product is not classified as Dangerous Goods, per regulations of Transport Canada.

# MATERIAL SAFETY DATA SHEET

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): This product is not classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION: This product is not classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

### UNITED STATES REGULATIONS:

#### **SARA Reporting Requirements**

SARA Title III Section 313  
None

SARA Title III Section 312 Hazard Category (40 CFR 311/312)

Acute Health: Yes Release of Pressure: No

Chronic Health: No Reactive: No

Fire: Yes

#### **Marine Pollutant**

This product contains no component listed as a Marine Pollutant under 49 CFR 172.101, Appendix B.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.

**U.S. TSCA INVENTORY STATUS:** All of the components of this product are listed in the TSCA Inventory or have applied for listing.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** This product does not contain any component above the 0.1% level which is listed as a California Proposition 65 chemical.

### CANADIAN REGULATIONS:

**CANADIAN DSL/NDSL INVENTORY STATUS:** All of the components of this product are on the DSL Inventory

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:** No component of this product is on the CEPA First Priorities Substance Lists.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** Not Classified

### EUROPEAN ECONOMIC COMMUNITY INFORMATION:

Hazard Classification: [Xi] Irritant [Xn] Harmful

Risk Phrases: R37 / 38 Irritating to respiratory system and skin; R63: Possible risk to the unborn child

Safety Phrases: S36 / 37 / 39 Wear suitable protective clothing, gloves and eye/face protection.

Annex II Hazard Symbol:



### AUSTRALIAN INFORMATION FOR PRODUCT:

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:** All components of this product are listed on the AICS.

**STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:** Not applicable.

### JAPANESE INFORMATION FOR PRODUCT:

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.



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## INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: All components Listed

Australian Inventory of Chemical Substances (AICS): All components Listed

Korean Existing Chemicals List (ECL): All components Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): All components Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): All components Listed

Swiss Giftlist List of Toxic Substances: All components Listed

U.S. TSCA: Listed

## 16. OTHER INFORMATION

**PREPARED BY:** Paul Eigbrett

MSDS Authoring PLUS

**DATE OF PRINTING:** August 30, 2010

All chemicals may pose unknown hazards and should be used with cautions. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, FOR LIFE Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and protection of the environment

# MATERIAL SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union standards



## 1. PRODUCT IDENTIFICATION

**TRADE NAME (AS LABELED):** REJUVENATE FLOOR FINISH RE-NEWER & POLISH WITH UV  
**CHEMICAL NAME/CLASS:** Mixture  
**MANUFACTURER'S NAME:** FOR LIFE PRODUCTS, INC  
**ADDRESS:** 2301 SW 145 AVENUE  
MIRAMAR, FL 33027  
**BUSINESS PHONE:** 954-747-3300  
**EMERGENCY PHONE:** 800-424-9300  
**DATE ISSUED:** April 22, 2010  
**PREVIOUS REVISION DATE:** April 22, 2010

## 2. HAZARD IDENTIFICATION

**EMERGENCY OVERVIEW: Product Description:** This product is a white milky liquid with an acrylic odor. **Health Hazards:** May be irritating to the eyes, skin, and respiratory system. The chemical, physical, and toxicological properties have not been thoroughly investigated. This product may cause reproductive harm. **Flammability Hazards:** This product is a non Flammable Liquid. **Reactivity Hazards:** None known. **Environmental Hazards:** This product is not expected to be toxic to aquatic life. **Emergency Considerations:** Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

**EU LABELING AND CLASSIFICATION:** This product meets the definition of the following hazard class as defined by the European Economic Community Guidelines.

**Hazard Classification:** [Xn] Harmful

**Risk Phrases:** R63 Possible risk of harm to the unborn child

**Safety Phrases:** S2 Keep out of the reach of children; S36 / 37 Wear suitable protective clothing and gloves

**Annex II Hazard Symbol:**



### HEALTH HAZARDS OR RISKS FROM EXPOSURE:

Acute

This substance may be irritating upon contact to the eyes. Prolonged overexposure to vapors in poorly ventilated areas may cause nose and throat irritation.

Chronic

This substance may be irritating to the eyes and skin.

## 3. COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Water	7732-18-5	231-791-2	N.E	30%	HAZARD CLASSIFICATION: NONE RISK PHRASES: NONE
Proprietary Mixture containing the following hazardous ingredients	Mixture	N.E	N.E	70%	HAZARD CLASSIFICATION: NOT ESTABLISHED RISK PHRASES: NOT ESTABLISHED
Diethylene Glycol Methyl Ether	111-77-3	203-906-6	0040	<6%	HAZARD CLASSIFICATION: [XN] HARMFUL REPR HAZARD CAT3; RISK PHRASES: R63
Polymers	NA	NE	NE	Balance	HAZARD CLASSIFICATION: NONE RISK PHRASES: NONE
Balance of water and other components. Each of the other components is present in less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens)					

# MATERIAL SAFETY DATA SHEET

N.E. = Not Established.

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

See Section 2 for full text of Ingredient Risk Phrases and Safety Phrases

## 4. FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

**EYE CONTACT:** If this product contacts the eyes, immediately flush the eyes with large amounts of water. Get medical attention if irritation occurs.

**SKIN CONTACT:** Wash the affected areas with soap and water. Remove contaminated clothing. If irritation occurs seek medical attention.

**INHALATION:** If large amounts of this product are inhaled or if breathing difficulties occur. Move the exposed person to fresh air at once. If breathing continues to be difficult or has stopped, perform artificial respiration. Get medical attention immediately.

**INGESTION:** If this product has been swallowed. Do induce vomiting. Seek medical attention immediately.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin problems may be aggravated by prolonged contact.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and eliminate overexposure.

## 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** > 200°F (93° C)

**AUTOIGNITION TEMPERATURE:** Not Established

**FLAMMABLE LIMITS (in air by volume, %):** Not Established

**FIRE EXTINGUISHING MATERIALS:** Suitable for surrounding area

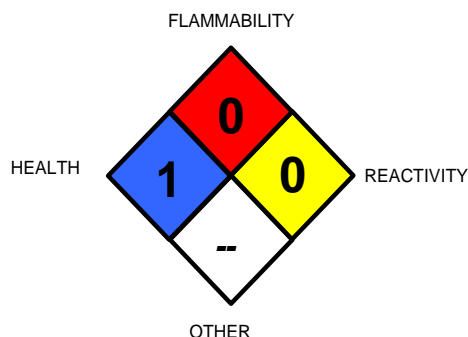
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None Known

Explosion Sensitivity to Mechanical Impact: Not Sensitive

Explosion Sensitivity to Static Discharge: Not Sensitive

**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

### NFPA RATING



Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate  
3 = Serious 4 = Severe

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Proper protective equipment should be used. Personnel should be trained for spill response operations.

**Spills:** Absorb spilled material using polypads or other suitable absorbent material. Avoid generating mists or sprays. Place all spill residue in an appropriate container and seal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations). Dispose of recovered material and report spill per regulatory requirements.

## 7. HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing mists or sprays generated by this product. Use in a well-ventilated location. Remove contaminated clothing after use.

**STORAGE AND HANDLING PRACTICES:** Store product in a cool location but avoid freezing. Protect from physical damage.

# MATERIAL SAFETY DATA SHEET

## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

**VENTILATION AND ENGINEERING CONTROLS:** Use local exhaust ventilation, and process enclosure if necessary, to prevent air contaminant concentration build-up. Refer to OSHA Standard 1910.94.

**EXPOSURE LIMITS/GUIDELINES:**

Chemical Name	CAS#	ACGIH-TLV's	OSHA PEL's	NIOSH- TLV's	Other
Diethylene Glycol Methyl Ether	111-77-3	STEL: 909 mg/m <sup>3</sup> 15 minute(s). Form: All forms. STEL: 150 ppm 15 minute(s). Form: All forms. TWA: 606 mg/m <sup>3</sup> 8 hour(s). Form: All forms. TWA: 100 ppm 8 hour(s). Form: All forms.	TWA: 600 mg/m <sup>3</sup> 8 hour(s). Form: All forms. TWA: 100 ppm 8 hour(s). Form: All forms.	STEL: 900 mg/m <sup>3</sup> 15 minute(s). Form: All forms. STEL: 150 ppm 15 minute(s). Form: All forms. TWA: 600 mg/m <sup>3</sup> 10 hour(s). Form: All forms. TWA: 100 ppm 10 hour(s). Form: All forms.	NE

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

**RESPIRATORY PROTECTION:** If exposure limits are exceeded, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under U.S. Federal OSHA's Respiratory Protection Standard (1910.134-1998) or the regulations of various U.S. States, Canada, EU Member States, or those of Japan. Air-purifying respirators with dust/mist/fume filters are recommended if operations may produce mists or sprays from this product.

**EYE PROTECTION:** Splash goggles or safety glasses with side shields are recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**HAND PROTECTION:** Compatible protective gloves recommended. Wash hands after removing gloves. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**BODY PROTECTION:** Use body protection appropriate for task. Coveralls, rubber aprons, or chemical protective clothing made from natural rubber are generally acceptable, depending upon the task. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

## 9. PHYSICAL and CHEMICAL PROPERTIES

**DENSITY:** Not Established

**SPECIFIC GRAVITY @ 20°C:** 1.055 ±0.005 (water=1)

**VAPOR PRESSURE, mm Hg @ 20°C (68°F):** 0.15

**ODOR THRESHOLD:** Acrylic odor

**APPEARANCE, ODOR and COLOR:** White milky liquid with an acrylic odor

**EVAPORATION RATE (vs. H<sub>2</sub>O):** About the same

**SOLUBILITY IN WATER:** Complete

**pH:** 8.0 ±.05

## 10. STABILITY and REACTIVITY

**STABILITY:** Stable.

**DECOMPOSITION PRODUCTS:** None known

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** None known

**HAZARDOUS DEPOLYMERIZATION:** None under normal conditions

**CONDITIONS TO AVOID:** Extreme temperatures, direct sunlight while in storage

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## 11. TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** The specific toxicology data available for components greater than 1% in concentration are as follows.

COMPOUND [CAS]	ROUTE	SPECIES	EXPOSURE & DOSE
111-77-3	Oral	Rat	LD50 4ml kg <sup>-1</sup>

**SUSPECTED CANCER AGENT:** The components of this product are not listed by agencies tracking the carcinogenic potential of chemical compounds as follows:

**Carcinogenity**

NTP Regulated No

IARC Regulated No

OSHA Regulated No

**IRITANCY OF PRODUCT:** Airborne mist of this product can irritate the eyes, respiratory system and skin.

**SENSITIZATION TO THE PRODUCT:** These products are not known to cause human skin or respiratory sensitization.

**REPRODUCTIVE TOXICITY INFORMATION:** Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: The components of this product are not reported to produce mutagenic effects in humans.

Embryotoxicity: Studies in laboratory animals indicate that an ingredient in Diethylene Glycol Methyl Ether is slightly toxic to the fetus at doses nontoxic to the mother following skin contact. Birth defects have been seen only following high oral doses which have little relevance to human exposure.

Teratogenicity: The components of this product are not reported to produce teratogenic effects in humans.

Reproductive Toxicity: An epidemiology study under conditions of normal occupational exposure indicated no effect on fertility.

## 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**Ecotoxicity** No data available

**BOD5 and COD** No data available

**Products of Biodegradation** No data available

**Toxicity** No data available

**Other Ecological** No data available

**Remarks**

## 13. DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

## 14. TRANSPORTATION INFORMATION

**US DOT, IATA, IMO, ADR:**

**DOT Classification** Non-regulated material

**Special Provisions for Transport** None

**DOT Labeling Requirements** None

**IATA Labeling Requirements** None

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): This product is not classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION: This product is not classified as Dangerous Goods by the International Maritime Organization.

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EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD

(ADR): This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

### UNITED STATES REGULATIONS:

#### **SARA Reporting Requirements**

SARA Title III Section 313  
None

SARA Title III Section 312 Hazard Category (40 CFR 311/312)

Acute Health: Yes Release of Pressure: No

Chronic Health: No Reactive: No

Fire: No

#### **Marine Pollutant**

This product contains no component listed as a Marine Pollutant under 49 CFR 172.101, Appendix B.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.

**U.S. TSCA INVENTORY STATUS:** All of the components of this product are listed in the TSCA Inventory or have applied for listing.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** This product does not contain any component above the 0.1% level which is listed as a California Proposition 65 chemical. Note the chemical identity of some or all components present is confidential business information (trade secret) and is being withheld as permitted by 29CFR1910.1200 (i).

### CANADIAN REGULATIONS:

**CANADIAN DSL/NDL INVENTORY STATUS:** All of the components of this product are on the DSL Inventory

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:** No component of this product is on the CEPA First Priorities Substance Lists.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** Not Classified

### EUROPEAN ECONOMIC COMMUNITY INFORMATION:

Hazard Classification: [Xn] Harmful

Risk Phrases: R63 Possible risk of harm to the unborn child

Safety Phrases: S2 Keep out of the reach of children; S36 / 37 Wear suitable protective clothing and gloves

Annex II Hazard Symbol:



### AUSTRALIAN INFORMATION FOR PRODUCT:

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:** All components of this product are listed on the AICS.

**STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:** Not applicable.

### JAPANESE INFORMATION FOR PRODUCT:

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

### INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Not all components Listed

Australian Inventory of Chemical Substances (AICS): Not all components Listed

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Korean Existing Chemicals List (ECL): Not all components Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Not all components Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Not all components Listed

Swiss Giftlist List of Toxic Substances: Not all components Listed

U.S. TSCA: Listed or have applied for listing

## 16. OTHER INFORMATION

**PREPARED BY:** Paul Eigbrett

MSDS Authoring PLUS

**DATE OF PRINTING:** April 23, 2010

All chemicals may pose unknown hazards and should be used with cautions. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, FOR LIFE Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and protection of the environment