

# SAFETY DATA SHEET

Date Prepared : 2/4/2015

SDS No : LF9

## Lock & Fill Carpet Cleaner

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Lock & Fill Carpet Cleaner  
**GENERAL USE:** Cleaning carpets using an extraction cleaner.  
**PRODUCT DESCRIPTION:** Carpet Cleaner  
**PRODUCT CODE:** LF9  
**CHEMICAL FAMILY:** Solvent/detergent blend

#### MANUFACTURER

MISCO Products Corporation  
1048 Stinson Drive  
Reading, PA 19605

**Emergency Phone:** 610-926-4106

**Customer Service:** 800-548-4568

**Transportation:** 800-548-4568

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEM-TEL (Medical and Transportation):** 800-255-3924

**POISON CONTROL CENTER (Medical):** 800-222-1222

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Eye Irritation, Category 2A

Skin Irritation, Category 2

Acute Toxicity (Oral), Category 4

##### Physical:

Flammable Liquids, Category 4

#### GHS LABEL



Exclamation  
mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H302: Harmful if swallowed.

H227: Combustible liquid.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P102: Keep out of reach of children.

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

##### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.  
 P337+P313: If eye irritation persists: Get medical advice/attention.  
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
 P332+P313: If skin irritation occurs: Get medical advice/attention.  
 P362: Take off contaminated clothing and wash before reuse.  
 P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P370+P378: In case of fire: Use dry chemical, alcohol-resistant foam for extinction.

**Storage:**

P404: Store in a closed container.  
 P403+P235: Store in a well-ventilated place. Keep cool.

**Disposal:**

P501: Dispose of contents/container in accordance with local, state and federal regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Clear Liquid

**IMMEDIATE CONCERNS:** Severe eye irritant and may cause permanent eye damage. Skin irritant.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact causes severe eye irritation.

**SKIN:** Contact may cause moderate to severe irritation.

**SKIN ABSORPTION:** None Expected.

**INGESTION:** Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea, and possible death.

**INHALATION:** Mist is irritating to nose, throat and lungs.

**REPRODUCTIVE TOXICITY**

**TERATOGENIC EFFECTS:** None known.

**CARCINOGENICITY:** No listed substance

**MUTAGENICITY:** None known.

**MEDICAL CONDITIONS AGGRAVATED:** Previous skin conditions such as dermatitis may be aggravated.

**ROUTES OF ENTRY:** Eye, skin, ingestion.

**CANCER STATEMENT:** None

**WARNING CAUTION LABELS:** Irritant

**PHYSICAL HAZARDS:** Combustible material.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Dipropylene glycol monomethyl ether	10 - 15	34590-94-8
Propylene Glycol N-Propyl Ether	5 - 10	1569-01-3
2-Propenoic acid, methyl ester, reaction products with 2-ethyl-1-hexanamine	10 - 15	68610-44-6
Tetrasodium ethylenediamine tetraacetate	5 - 10	64-02-8
Fatty acids, tall-oil, sodium salts	0 - 3	61790-45-2
Fragrance	0 - 1	N/A
Water	55 - 65	7732-18-5

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

#### **SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe burning sensation, tearing, redness, swelling.

**SKIN:** Burning sensation, redness.

**SKIN ABSORPTION:** Not Established

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**ACUTE TOXICITY:** Severely irritating to eyes. Causes moderate to severe skin irritation. Harmful if swallowed.

### **5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** IIIA (140-200F)

**GENERAL HAZARD:** Combustible Liquid

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide from combustion

**FIRE FIGHTING PROCEDURES:** Keep fire exposed containers cool with water stream or mist.

**FIRE FIGHTING EQUIPMENT:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Established

### **6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

**LARGE SPILL:** Shut off all ignition sources. Ventilate area. Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

#### **ENVIRONMENTAL PRECAUTIONS**

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

### **7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** Store away from excessive heat, spark or open flame. Store at temperatures below 140F. Keep container closed until used. Do not contaminate water, food, or feed by storage or disposal.

**HANDLING:** Wear eye protection, rubber gloves when handling concentrate.

**STORAGE:** Store in area inaccessible to children.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

## EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)						
		EXPOSURE LIMITS				
		OSHA PEL		ACGIH TLV		
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Dipropylene glycol monomethyl ether		TWA	100	600	100	606
		STEL			150	909

**ENGINEERING CONTROLS:** Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles.

**SKIN:** Rubber or other chemical resistant gloves.

**RESPIRATORY:** A respirator is not needed under normal and intended conditions of product use.

**PROTECTIVE CLOTHING:** Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Floral

**COLOR:** Water Clear

**pH:** 9.0 to 9.5

**PERCENT VOLATILE:** >75

**FLASH POINT AND METHOD:** ~ 65.6°C (150°F)

**FLAMMABLE LIMITS:** Not established

**AUTOIGNITION TEMPERATURE:** Not Established

**VAPOR PRESSURE:** ≤ 20 mm Hg at (68°F)

**VAPOR DENSITY:** ≤ 1 Air = 1

**BOILING POINT:** 212° F; 100° C

**FREEZING POINT:** 32° F; 0° C

**MELTING POINT:** Not Available

**SOLUBILITY IN WATER:** Complete

**EVAPORATION RATE:** (Water =1) 1.0

**DENSITY:** 8.61 at (68°F)

**SPECIFIC GRAVITY:** 1.032 grams/ml.

**VISCOSITY:** Water thin.

**(VOC):** 18.990 % by weight

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Stable

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable under normal storage and use conditions.

**CONDITIONS TO AVOID:** Avoid excessive heat.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None Expected.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)
Dipropylene glycol monomethyl ether	> 5000 mg/kg (rat)	9510 mg/kg (rabbit)
Propylene Glycol N-Propyl Ether	2000 to 4350 mg/kg (rat)	3800 to 4350 mg/kg (rabbit)
Tetrasodium ethylenediamine tetraacetate	3030 mg/kg (rat)	> 5000 mg/kg (rabbit)

**EYES:** Not Established

**DERMAL LD<sub>50</sub>:** Not Established

**SKIN ABSORPTION:** None Expected.

**ORAL LD<sub>50</sub>:** Not Established

**INHALATION LC<sub>50</sub>:** Not Established

**EYE EFFECTS:** Moderate to severe eye irritant.

**SKIN EFFECTS:** Moderate skin irritant.

### CARCINOGENICITY

**IARC:** No listed substance

**IRRITATION:** Irritant

**SENSITIZATION:** No known significant effects or critical hazards.

**GENETIC EFFECTS:** No known significant effects or critical hazards.

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

**MUTAGENICITY:** No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Established

**ECOTOXICOLOGICAL INFORMATION:** Not Established

**AQUATIC TOXICITY (ACUTE):** Not Established

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Although not a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations 40CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** See above.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA WASTE INFORMATION:** Not Available

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Cleaning Compound, not regulated.

### ROAD AND RAIL (ADR/RID)

**PROPER SHIPPING NAME:** Cleaning Compound, not regulated.

### AIR (ICAO/IATA)

**SHIPPING NAME:** Contact manufacturer for more information.

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Contact manufacturer for more information.

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Health - Acute

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** None

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** NA = Not Applicable

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** NA = Not Applicable

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

**STATES WITH SPECIAL REQUIREMENTS**

Chemical Name	Requirements
Dipropylene glycol monomethyl ether	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance

**CALIFORNIA PROPOSITION 65:** None

**CARCINOGEN:** No listed substance

**16. OTHER INFORMATION**

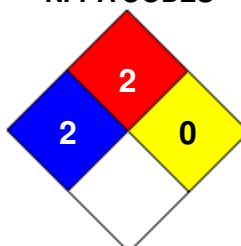
**PREPARED BY:** Regulatory Affairs Department

**Date Prepared:** 2/4/2015

**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>2</b>
<b>FLAMMABILITY</b>		<b>2</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>B</b>

**NFPA CODES**



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