FLO-KEM
QUALITY • INNOVATION • PERFORMANCE

# MATERIAL SAFETY DATA SHEET

## Section 1. Chemical Product and Company Identification

**Flo-Kem**
**19402 Susana Road**
**Rancho Dominguez, CA 90221**

**Name:** **Mop & Strip / No Rinse**
**Identity:** Floor Stripper-Degreaser
**Product Code:** **3665**

**Emergency Telephone #:**
CHEMTEL (800)-255-3924

## Section 2. Hazards Identification

| | |
|---|---|
| HEALTH | 2 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

**Classification:**
**Physical:** NA
**Health:** Irritant
**Environmental:** ND

**Acute:**
**Eyes:** Causes serious eye damage.
**Skin:** Prolonged or repeated contact may cause irritation and redness.
**Ingestion:** May cause gastric distress or disturbances if ingested.
**Inhalation:** May cause respiratory tract irritation.

**Chronic:** Prolonged or repeated skin contact may cause skin irritation. This product is not listed as or anticipated to be a potential carcinogen by NTP or OSHA.

## Section 3. Composition, Information on Ingredients

| Hazardous Component > 1%: | CAS Number: | % By Weight: |
|---|---|---|
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 5-10 |
| Ethylene Glycol Monophenyl Ether, Diethylene Glycol Monophenyl Ether | 122-99-6 | 5-10 |
| Monoethanolamine | 141-43-5 | 5-10 |
| Sodium Xylene Sulfonate | 1300-72-7 | 1-5 |

## Section 4. First Aid Measures

**Have product container or label with you when calling a poison control center, doctor, or going for treatment.**

**Eyes:** Flush eyes with large amounts of water, lifting upper and lower eyelids. If irritation persists, obtain medical attention.

**Skin:** Wash off with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists, get medical attention.

**Ingestion:** Do not induce vomiting. Rinse mouth with water, then give one to two glasses of water if victim is conscious. Obtain medical attention immediately.

**Inhalation:** Remove to fresh air. If symptoms persist, obtain medical attention.

## Section 5. Fire Fighting Measures

**Extinguishing Media:** Water fog, foam, carbon dioxide or dry chemical. Treat oil as fire. Do not use water jet.

**Special Fire Fighting Procedures:** Prevent breathing vapors. Wear SCBA and impervious protective clothing.

**Specific Hazards Arising from the Chemical:** Water may spread burning liquid. Keep away from sparks, heat and open flames.

## *Section 6. Accidental Release Measures*

**Small Spills:** Mop up or absorb liquid with inert dry material. Collect in appropriate waste disposal container.

**Large Spills:** Same as small spill. Dike area and absorb into neutral material or pump up. Flush traces with plenty of water. Do not let run-off enter drains or bodies of water.

## *Section 7. Handling and Storage*

**Handling and Storage:** Store in a cool, dry well-ventilated area. Keep container tightly closed when not in use.

**Other Precautions:** Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

## *Section 8. Exposure Control / Personal Protection*

| Component: | CAS Number: | PEL: | TLV: | IDLH: |
|---|---|---|---|---|
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 25 ppm mg/M $^3$ | 25 ppm mg/M $^3$ | |
| Ethylene Glycol Monophenyl Ether, Diethylene Glycol Monophenyl Ether | 122-99-6 | NE mg/M $^3$ | NE mg/M $^3$ | |
| Monoethanolamine | 141-43-5 | 6 ppm STEL mg/M $^3$ | 3 ppm mg/M $^3$ | |
| Sodium Xylene Sulfonate | 1300-72-7 | NE mg/M $^3$ | NE mg/M $^3$ | |

**Respiratory Protection:** Not normally indicated when used as directed. Use NIOSH approved air purifying respirator if significant vapor, mist, or aerosol is generated. Recommended if experiencing respiratory irritation.

**Ventilation:** No special measures required.

**Mechanical/Engineering (General):** Not normally indicated when used as directed.

**Protective Gloves:** Rubber or vinyl; optional.

**Eye Protection:** Chemical safety goggles.

**Protective Clothing:** Not normally indicated.

**Work/Hygienic Practices:** The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

## *Section 9. Physical and Chemical Properties*

**Appearance and Odor:** Clear blue liquid, lemon odor.

| pH: | Boiling Point: | Specific Gravity: | Melting/Freezing Point: |
|---|---|---|---|
| 12.5-13.5 | >212º F | 1.020 ± 0.005 | ND |
| **Solubility:** | **Vapor Pressure (mm Hg.):** | **Vapor Density (Air = 1):** | **Evaporation Rate (H2O = 1):** |
| Complete | ND | ND | ND |

| Flash Point (TCC): | % LEL: | % UEL: | Flammable Limits: | VOCgm/L: |
|---|---|---|---|---|
| >200ºF | ND | ND | ND | 172 |

## *Section 10. Stability and Reactivity*

**Stability:** Stable.
**Hazardous Polymerization:** Will not occur.
**Incompatibility (Materials to Avoid):** Strong oxidizing agents.
**Hazardous Decomposition Byproducts:** Nitrogen oxides, carbon dioxide and carbon monoxide.
**Conditions to Avoid:** None

## *Section 11. Toxicological Information*

**Carcinogenicity:** **NTP** No **IARC** No **OSHA** No

| Component: | LD50 Oral: | LC50 Inhalation: | LD50 Dermal: |
|---|---|---|---|
| Ethylene Glycol Monophenyl Ether, Diethylene Glycol Monophenyl Ether | 1,400-4,000 mg/kg - rat | No data available. | >2,000 mg/kg - rabbit |
| Monoethanolamine | 1.19 mg/kg - rat male | No data available. | 2.46 mg/kg - rabbit male |
| Ethylene Glycol Monobutyl Ether | 470-3000 mg/kg - rat | 700 ppm 7H - rat | 99-610 mg/kg - rabbit |
| Sodium Xylene Sulfonate | No data available. | No data available. | No data available. |

**Other Toxicological Data**

| | |
|---|---|
| Ethylene Glycol Monophenyl Ether, Diethylene Glycol Monophenyl Ether | Chronic - may cause damage to kidneys, liver, thyroid, respiratory tract and blood. |
| Monoethanolamine | Eyes - rabbit - severe corneal injury. |
| Ethylene Glycol Monobutyl Ether | No data available. |
| Sodium Xylene Sulfonate | No data available. |

## *Section 12. Ecological Information*

**Environmental toxicity:**

| Component: | Toxicity to fish: | Toxicity to aquatic invertebrates: | Toxicity to aquatic plants and micro-organisms: |
|---|---|---|---|
| Ethylene Glycol Monophenyl Ether, Diethylene Glycol Monophenyl | LC50 344-347 mg/L 96H flathead minnow | EC50 > 500mg/L daphnia magna | EC50 >500mg/L alga scenedesmus sp. |
| Monoethanolamine | LC50 2348 mg/L 96H flathead minnow | LC50 33 mg/L 48H daphnia | IC50 > 2000 mg/L bacteria inhibition |
| Ethylene Glycol Monobutyl Ether | LC50 21,400 mg/L 96H bluegill sunfish | LC50 835 mg/L daphnia magna | No data available. |
| Sodium Xylene Sulfonate | LC50 >1000 mg/kg rainbow trout | EC50 >1000 mg/L daphnia | EC50 >230 mg/L algae |

**Other Ecological Data**

| | |
|---|---|
| Ethylene Glycol Monophenyl Ether, Diethylene Glycol Monophenyl Ether | Expected to be minimally toxic to aquatic organisms. |
| Monoethanolamine | No data available. |
| Ethylene Glycol Monobutyl Ether | Moderately toxic to aquatic organisms. |
| Sodium Xylene Sulfonate | Not expected to be harmful to aquatic life. |

## *Section 13. Disposal Considerations*

**Disposal:** Dispose in accordance with Federal, State, and Local Requirements.

## *Section 14. Transportation Information*

**DOT** NA1760, Compounds, Cleaning Liquid, 8, PGIII

**Reportable Quantity:** No

## *Section 15. Regulatory Information*

**SARA Section 311/312 (40 CFR 370) Hazard Categories:**

| | | | | | |
|---|---|---|---|---|---|
| **Acute Hazard:** | Yes | **Pressure Hazard:** | No | | |
| **Chronic Health:** | No | **Reactive Hazard:** | No | **Fire Hazard:** | No |

**SARA 313:** 2-Butoxyethanol

**CERCLA Hazardous Substances:**

None

**State Regulations:**

California: This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

Diethanolamine (0.015%)

## *Section 16. Other Information*

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ALL NON-EMERGENCY QUESTIONS SHOULD BE DIRECTED TO CUSTOMER SERVICE (310) 632-7124

NA = Not Applicable NE= Not Established ND= Not Determined **Issue Date:** 5/23/2013 **Supersedes:** 11/30/2011