

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name ESCALATE
CAS# Mixture
Product Use Aqueous mop on restorer for hard floor care
Manufacturer Powr-Flite, A Division of Tacony Corporation
3101 Wichita Court
Fort Worth, TX 76140-1710
Emergency Telephone Number 1-800-424-9300
Company Contact 1-800-880-2913 or website www.powrflite.com

HMIS LEGEND

Severe 4
Serious 3
Moderate 2
Slight 1
Minimal 0

Health 1
Flammability 1
Reactivity 0
Personal Protection B

2. Hazards Identification

Emergency Overview Warning: Eye and skin irritant, combustible liquid.
Potential short term effects
Routes of exposure Eye, Skin contact, Inhalation, Ingestion.
Eyes May cause irritation.
Skin Contact with skin may cause irritation.
Inhalation May cause respiratory tract irritation.
Ingestion May cause stomach distress, nausea or vomiting.
Target organs Eyes, Skin
Chronic effects Prolonged exposure can cause drying, defatting, or dermatitis.
Signs and symptoms Symptoms may include redness, edema, drying, defatting and cracking of skin.
Symptoms of over exposure may be headache, dizziness, tiredness, nausea and vomiting

3. Hazardous Ingredients

The criteria for listing components in this section are: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Non hazardous components are not listed. This is not a composition disclosure.

| Hazardous Components | CAS# | %(optional) |
|------------------------------------|----------|--------------|
| Diethylene glycol monomethyl ether | 111-77-3 | < 5% |

4. First Aid Measures

First Aid Procedures
Eye Contact Flush with cool running water for 15 minutes. If irritation persists, get medical attention.
Skin Contact Flush with cool water, Wash with soap and water, If irritation persists, get medical Attention.
Inhalation If symptoms develop, move to fresh air. If symptoms persist, get medical attention
Ingestion Rinse mouth with water. Drink one or two glasses of water. **Do not induce vomiting.** Obtain medical attention. Never give anything by mouth to an unconscious person.
Notes to Physician Symptoms may be delayed.
General advice Seek medical attention if feeling unwell. Show the MSDS to the physician in attendance.

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Combustible |
| Extinguishing media | Foam, carbon dioxide or dry chemical |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon. |
| Unusual Fire, Explosion hazards | Containers may melt or rupture from heat of fire.. |

6. Accidental Release Measures

| | |
|--------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Contact emergency personnel or supplier for advice. Never return spill to original container for reuse |

7. Handling and Storage

| | |
|-----------------|--|
| Handling | Use good industrial hygiene practices when handling this material |
| Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials and sources of ignition. |

8. Exposure Controls and Personal Protection

| | | |
|---------------------------------------|--|----------------------|
| Exposure limits | | |
| Ingredients | OSHA PEL | AIHA WEEL TWA |
| Diethylene glycol methyl ether | Not established | Not available |
| Engineering controls | General ventilation normally adequate | |
| Personal protective equipment | | |
| Eye/Face protection | Wear safety glasses with side shields if splash conditions prevail. | |
| Hand protection | Rubber or nitrile gloves. | |
| Skin and body | As required by employer code. | |
| Respiratory protection | Use a NIOSH approved respirator when exposure guidelines are exceeded. | |
| General hygiene considerations | Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product. | |

9. Physical and Chemical Properties

| | |
|----------------------------|--------------------------|
| Appearance/form | Clear liquid |
| Color | orange |
| Odor | Citrus/acrylic |
| pH | 8.5-9.5 |
| Boiling point | > 212° F. |
| Specific gravity | 1.002-1.02 |
| Evaporation rate | < 1 (butyl acetate = 1) |
| Vapor pressure | Not Established |
| Vapor density | Not Established |
| Flash point | > 186° F. (86° C.) |
| Solubility in water | Complete |
| VOC | Not available |
| % Volatile | Approx. 90% |

10. Stability and Reactivity

| | |
|---|--|
| Chemical Stability | Stable under normal storage conditions. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Acids and oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon. |
| Hazardous polymerization | Will not occur |

11. Toxicological Information

| | |
|---------------------------------------|---|
| Ingredients | LC50 |
| Nonylphenol polyethylene glycol ether | Not available |
| Ingredients | LD50 |
| Nonylphenol polyethylene glycol ether | 3,989-5,000 mg/kg rat (oral), 3,228-5,000 mg/kg rat (dermal) |
| Effects of acute exposure | |
| Eye | May cause irritation |
| Skin | May cause irritation. |
| Inhalation | May cause respiratory tract irritation |
| Ingestion | May cause stomach distress, nausea, or vomiting. |
| Sensitization | Non hazardous. |
| Chronic effects | Non hazardous. |
| Carcinogenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Mutagenicity | Non hazardous. |
| Reproductive effects | Non hazardous. |
| Teratogenicity | Non hazardous. |

12. Ecological Information

| | |
|--|--|
| Eco-toxicity | Components of this product have been identified as having potential environmental concerns. |
| Eco-toxicity-Fresh water Algae data | |
| Nonylphenol polyethylene glycol ether | Not available |
| Eco-toxicity-Freshwater Fish Species data | |
| Nonylphenol polyethylene glycol ether | LC 50, flathead minnow (pimephales promelas) 96 hr: 1.6-24 mg/l |
| Eco-toxicity-water flea data | |
| Nonylphenol polyethylene glycol ether | LC 50, water flea (Daphnia magna) 48 hr: 23.1- 71.8 mg/l EC50, water flea (Daphnia magna) 48 hr: 23.1 mg/l immobilization |
| Environmental effects | Not Available |
| Aquatic toxicity | Expected to be moderately toxic to aquatic organisms |
| Persistence and Degradability | Not Available |
| Bioaccumulation/accumulation | Not Available |
| Partition coefficient | Not Available |
| Mobility in environmental media | Not Available |
| Chemical fate information | Not Available |
| Other adverse effects | Not Available |

13. Disposal Considerations

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|--|---|
| Waste codes | Not Available |
| Disposal instructions | Dispose in accordance with local, state, and federal regulations |
| Wastes from residues/unused Product | Containerize. Rinse area with water. Keep out of storm sewer/waterways. |
| Contaminated packaging | Dispose in accordance with all applicable regulations. |

14. Transport Information

Basic shipping requirements: Not DOT regulated
Proper shipping name
Hazard class
UN number
Packing group
Special provisions
Packaging exceptions

15. Regulatory Information

U.S federal regulations This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the MSDS contains all of the information required by OSHA.

HMIS classification

Irritant

Inventory Status

Countries

Inventory Name

On Inventory (Yes/No)*

U.S.

Chemical Inventory List

Yes

Canada

Domestic substances list

Yes

- A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

April 4, 2014

Supersedes date

February 20, 2011

Reason for update

Conform to OSHA update requirements

Expiration date

April 4, 2017