

# SHIELD

## Material Safety Data Sheet RP-109

### Section I - Manufacturer Information

Reflection Technology  
5861 88<sup>th</sup> Street, Suite 100  
Sacramento CA, 95828  
Phone: (916) 388 7821  
Emergency: (916) 388 7820

### Section II Product Identification

Produced By: Justin Lewis (Chemist)  
Reflection Technology Floor Polish  
MSDS Date: 8/23/96  
Product # RP-109  
Product Name: Shield

| <b>Hazard Rating:</b> | <b>NFPA/HMIS</b> | <b>Scale:</b>                   |
|-----------------------|------------------|---------------------------------|
| Health                | 1                | 4 - Very High                   |
| Flammability          | 0                | 3 - High                        |
| Reactivity            | 0                | 2 - Moderate                    |
| Special               | 0                | 1 - Slight<br>0 - Insignificant |

### NON- HAZARDOUS

Product Use: Industrial / Institutional: Floor Care

DOT CLASSIFICATION: LIQUID WAX (NON-HAZARDOUS)

### Section III Hazardous Ingredients

| <u>Ingredients</u>                            | <u>Approximate Wt %</u> | <u>Exposure Limit / Toxicity</u> |
|---|-------------------------|----------------------------------|
| Diethylene Glycol                             |                         |                                  |
| Ethyl Ether<br>#11-90-0 (CAS)                 | Less than 6 %           | LD50(oral rat)6500mg/kg          |
| Tributoxyethyl<br>Phosphate<br>#78-51-3 (CAS) | Less than 1%            | LD50(oral rat)>3000mg/kg         |

MSDS RP-109

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| <b>Section IV - Physical / Chemical characteristics</b> |
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|                        |                       |
|------------------------|-----------------------|
| Appearance:            | Milky white liquid    |
| Odor:                  | Sweet                 |
| Product State:         | Liquid, Emulsion      |
| Specific Gravity:      | 1.0 (25d water 1g/ml) |
| Evaporation Rate:      | (BuOAc=1) .1          |
| Boiling Point:         | 100dC                 |
| pH:                    | 8.6 - 9.0             |
| Solubility (water):    | 100%                  |
| % Non Volatile Solids: | 25%                   |

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| <b>Section V - Fire / Explosion Hazard Data</b> |
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|                       |                                     |
|-----------------------|-------------------------------------|
| Flash point:          | N/A                                 |
| Flammable Limits:     | Lower Limit N/A                     |
| Flammable Limits:     | Upper Limit N/A                     |
| Special Fire Hazards: | None Known                          |
| Extinguishing Media:  | CO2, Foam, Dry Chemical, Water Fog. |

|                                     |
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| <b>Section VI - Reactivity Data</b> |
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|                                   |        |
|-----------------------------------|--------|
| Stability:                        | Stable |
| Conditions to Avoid:              | N/A    |
| Materials to Avoid:               | Bleach |
| Hazardous Decomposition Products: | None   |
| Hazardous Polymerization:         | None   |

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| <b>Section VII - Health Hazard Data</b> |
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|                       |           |
|-----------------------|-----------|
| Route of Entry:       | Ingestion |
| Carcinogenicity:      | No        |
| Non - Corrosive       |           |
| Symptoms of Exposure: | N/A       |

**Emergency and First Aid Measures**

|               |  |
|---------------|--|
| Eye contact:  | Rinse Eyes for 15 Minutes  |
| Skin contact: | Wash with water  |
| Inhalation:   | Move to fresh air  |
| Ingestion:    | Drink 1-2 glasses milk or water, induce vomiting if conscious, call physician immediately. |

**Section VIII - Handling and Storage**

Use as directed

Store in a cool, dry place with adequate ventilation.

Wash thoroughly after handling.

**KEEP THIS AND ALL JANITORIAL PRODUCTS OUT OF THE REACH OF CHILDREN.**

In case of spill: Mop up, or absorb with inert material.

Disposal Method: According to Local, State and Federal regulations.

**THIS IS A COMMERCIAL PRODUCT NOT INTENDED FOR HOME USE.**

**Section IX- Control and Protection Measures**

|                         |  |
|-------------------------|--|
| Respiratory Protection: | No special requirements when used as directed. |
| Ventilation:            | General Room Ventilation adequate.             |
| Protective Gloves:      | No special requirements when used as directed. |
| Eye Protection:         | Recommended                                    |

**Section X - Toxicological Information**

The LD50 (oral rat) is estimated at >5000mg/kg

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8/23/96