SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

MANUFACTURER: Griffin Bros., Inc.
P.O. Box 7719
Salem, OR 97303

INFORMATION PHONE: (800) 456-4743
EMERGENCY PHONE: CHEMTREC: (800) 424-9300
PRODUCT NAME: Marvel Plate Mark II
PRODUCT NUMBER: G-319
DATE PREPARED: 10/22/98
LAST REVISION: 02/02/2015

2. HAZARDOUS IDENTIFICATION:

EMERGENCY OVERVIEW: Skin and eye irritation.
GHS CLASSIFICATION: This is not a GHS classified product

GHS Label elements, including precautionary statements
SIGNAL WORD: Caution/
Pictogram(S): None required

HAZARD STATEMENT(S):
EYE CONTACT: May cause slight eye irritation
INHALATION: May cause irritation to some.
INGESTION: Swallowing the liquid can be irritating to the gastrointestinal tract and cause stomach cramps.
SKIN CONTACT: May cause skin irritation.

PRECAUTIONARY STATEMENT(S):
P102: Keep Out of Reach of Children
P262: Do not get in eyes, on skin, or on clothing.

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation, redness of skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name | CAS # | Range Weight %
--- | --- | ---
Dipropylene glycol monomethyl ether | 34590-94-8 | 1 – 2%
Diethylene glycol monoethyl ether | 111-90-0 | 1 – 2%

4. FIRST AID MEASURES:

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Hold eyelids open while flushing the eyes. Get medical attention.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
INGESTION: If swallowed, do NOT induce vomiting. Give victim plenty of water or milk. Get medical attention immediately.
SKIN CONTACT: Wash with soap and water. Change contaminated clothing. Get medical attention if irritation develops or persists.
AGGRAVATED MEDICAL CONDITIONS: None known.
SUPPLEMENTAL HEALTH INFORMATION: The effects of long-term, low-level exposure to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposures.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES:
Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece in positive pressure mode.
Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Will not burn.
COMBUSTION PRODUCTS: None known.

6. ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:
Small spills: Mop up, wipe up or soak up immediately. Remove to out of doors. Large spills: Evacuate area. Contain liquid; transfer to closed poly containers. Keep out of water supply.
7. HANDLING AND STORAGE:
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid excessive heat. Protect from freezing. Follow all SDS/label precautions even after container is emptied because it may retain product residues.
OTHER PRECAUTIONS: For industrial and institutional use only. Keep away from children. Keep containers closed while not in use.

8. EXPOSURE CONTROL/PERSOAL PROTECTION:
EXPOSURE GUIDELINES:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>OSHA STEL</th>
<th>ACGIH TWA</th>
<th>ACGIH STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>100ppm</td>
<td>150ppm</td>
<td>100ppm</td>
<td>150ppm</td>
</tr>
<tr>
<td>Diethylene glycol monooethyl ether</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: None required
VENTILATION: Mechanical
WORK / HYGIENIC PRACTICES: Use good personal hygiene when handling this product.
EYE PROTECTION: Safety glasses with side shields or Splash goggles
PROTECTIVE GLOVES: Rubber or other impervious material with gauntlets.
OTHER PROTECTIVE EQUIP: As needed, Boots, apron, lab coat or coveralls of impervious material, safety shower, eyewash.

ENGINEERING CONTROLS: N/A

9. PHYSICAL AND CHEMICAL PROPERTIES:
INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

<table>
<thead>
<tr>
<th>a) Appearance:</th>
<th>White Emulsion</th>
</tr>
</thead>
<tbody>
<tr>
<td>b) Odor:</td>
<td>Hint of ammonia</td>
</tr>
<tr>
<td>d) pH:</td>
<td>8.54</td>
</tr>
<tr>
<td>e) Melting point/freezing point:</td>
<td>No date available</td>
</tr>
<tr>
<td>f) Initial boiling point and boiling range:</td>
<td>212 degrees F</td>
</tr>
<tr>
<td>g) Flash point:</td>
<td>None</td>
</tr>
<tr>
<td>h) Evaporation rate:</td>
<td>&gt;1</td>
</tr>
<tr>
<td>j) Upper/lower flammability or explosive limits:</td>
<td>n/a</td>
</tr>
<tr>
<td>k) Vapor pressure:</td>
<td>No date available</td>
</tr>
<tr>
<td>l) Vapor density:</td>
<td>No date available</td>
</tr>
<tr>
<td>m) Relative density (Specific Gravity):</td>
<td>1.12</td>
</tr>
<tr>
<td>n) Water solubility:</td>
<td>100%</td>
</tr>
<tr>
<td>o) Auto-ignition temperature:</td>
<td>n/a</td>
</tr>
<tr>
<td>p) Viscosity:</td>
<td>No date available</td>
</tr>
<tr>
<td>q) Pounds Per Gallon:</td>
<td>9.3</td>
</tr>
<tr>
<td>r) OTHER:</td>
<td>No other data is available for this product.</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY:
STABLE: Stable
INCOMPATIBILITY: Avoid acids
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: No data available
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Avoid extreme temperatures. Keep from freezing

11. TOXICOLOGICAL INFORMATION: No data available
12. ECOLOGICAL INFORMATION: Keep out of waterways
13. DISPOSAL CONSIDERATIONS: Dispose of according to local, State, and Federal Regulations.
14. TRANSPORT INFORMATION:

<table>
<thead>
<tr>
<th>Regulation</th>
<th>UN No.</th>
<th>Proper Shipping Name</th>
<th>Transport Hazard Class(es)</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>US DOT</td>
<td>--</td>
<td>Non-Regulated Material, Liquid</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>ERG No.</td>
<td>n/a</td>
<td></td>
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</table>

15. REGULATORY INFORMATION: No data available
16. OTHER INFORMATION:

HMIS INFORMATION: HEALTH: 1 FLAMMABILITY: 0 PHYSICAL HAZARD: 0 PROTECTIVE: B
NFPA INFORMATION: TOXICITY: 1 FIRE: 0 REACTIVITY: 0 SPECIAL: 

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