SAFETY DATA SHEET

N-Vigorate

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: N-Vigorate
GENERAL USE: Floor surface gloss restorer
PRODUCT DESCRIPTION: Nano-Infused Floor Restorer
PRODUCT CODE: NVG
CHEMICAL FAMILY: 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:
Skin Irritation, Category 3
Eye Irritation, Category 2B

GHS LABEL
SIGNAL WORD: WARNING

HAZARD STATEMENTS
H320: Causes eye irritation.
H316: Causes mild skin irritation.
H303: May be harmful if swallowed.

PRECAUTIONARY STATEMENT(S)
Prevention:
P262: Do not get in eyes, on skin, or on clothing.
P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:
P404: Store in a closed container.

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

EMERGENCY OVERVIEW
PHYSICAL APPEARANCE: Translucent opal green liquid
IMMEDIATE CONCERNS: Eye irritant
3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
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<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS</th>
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<tbody>
<tr>
<td>Polyethylene Glycol</td>
<td>0 - 5</td>
<td>25322-68-3</td>
</tr>
<tr>
<td>Secondary Alcohol Ethoxylate</td>
<td>0 - 5</td>
<td>84133-50-6</td>
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<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>0 - 5</td>
<td>34590-94-8</td>
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<tr>
<td>Dye</td>
<td>&lt; 0.1</td>
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<tr>
<td>Fragrance</td>
<td>&lt; 0.5</td>
<td>N/A</td>
</tr>
<tr>
<td>Water</td>
<td>80 - 85</td>
<td>7732-18-5</td>
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</table>

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: Burning sensation with tearing, redness.

SKIN: Prolonged contact will cause irritation marked by redness, burning sensation.

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: Not Established

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NA = Not Applicable

GENERAL HAZARD: NA = Not Applicable

EXTINGUISHING MEDIA: Not required. Water based material.

6. ACCIDENTAL RELEASE MEASURES
SMALL SPILL: Avoid walking in product. Wipe up or otherwise flush to sanitary sewer.

LARGE SPILL: 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: Close container after use.

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

STORAGE: Store in area inaccessible to children.

STORAGE TEMPERATURE: Store at ambient temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: No special requirements.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields.

SKIN: Rubber or other chemical resistant gloves.

PROTECTIVE CLOTHING: No special requirements.

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: Mild citrus

ODOR THRESHOLD: Not Established

APPEARANCE: Translucent

COLOR: Opalescent green

pH: 8.0 to 9.0

PERCENT VOLATILE: 90+

FLASH POINT AND METHOD: None

FLAMMABLE LIMITS: N/A

AUTOIGNITION TEMPERATURE: NA = Not Applicable

VAPOR PRESSURE: <= 20 mm Hg at (68°F)

VAPOR DENSITY: Not Available

BOILING POINT: ~ 100°C (212°F)

FREEZING POINT: 32° F; 0° C

MELTING POINT: Not Available

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: (Water =1) 1.0

DENSITY: 8.38 at (68°F)

SPECIFIC GRAVITY: 1.004 grams/ml.
**VISCOSITY:** Water thin.

**(VOC): 4.000 % by weight**

### 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**CONDITIONS TO AVOID:** Not Established

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

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

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

<table>
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<tr>
<th>Chemical Name</th>
<th>ORAL LD$_{50}$ (rat)</th>
<th>DERMAL LD$_{50}$ (rabbit)</th>
<th>INHALATION LC$_{50}$ (rat)</th>
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<tr>
<td>Secondary Alcohol Ethoxylate</td>
<td>&gt; 412 mg/kg (rat)</td>
<td>&gt; 14000 mg/kg (rabbit)</td>
<td>1.06 mg/l (Rat), Aerosol</td>
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<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>&gt; 5000 mg/kg (rat)</td>
<td>9510 mg/kg (rabbit)</td>
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**EYES:** Not Established

**DERMAL LD$_{50}$:** Not Established

**SKIN ABSORPTION:** None Expected.

**ORAL LD$_{50}$:** Not Established

**INHALATION LC$_{50}$:** Not Established

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

**SKIN EFFECTS:** May irritate skin with prolonged or repeated contact.

**IRRITATION:** Irritant

**SENSITIZATION:** 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:** Small amounts (less than 5 gallons) may be disposed of in sanitary sewer. Consult local authorities for additional disposal information.

**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:** NA = Not Applicable

### 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: Cleaning Compound, not regulated.

VESSEL (IMO/IMDG)
SHIPPING NAME: Cleaning Compound, not regulated.

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: NA = Not Applicable
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.
CALIFORNIA PROPOSITION 65: None
CARCINOGEN: No listed substance

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department

HMIS RATING

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<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
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NFPA CODES

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