



SAFETY DATA SHEET

1. Identification

Product Identifier **Floor Bright**
Other means of identification EI-1000
Product code
Recommended use Neutral surface cleaner.
Recommended restrictions None.
Manufacturer information
Company name **Empire Industries**
Address P.O. Box 1404
Brentwood, TN 37024
Telephone (615) 315-0026
FAX (615) 315-0035
Emergency phone number PERS (800) 633-8253
24-hour Emergency (800) 633-8253

2. Hazard(s) Identification

Physical hazards Not classified.
Health hazards Serious eye irritation. Category 2B
Environmental hazards Aquatic Hazard - Acute Category 3
OSHA defined hazards Not listed.
Label elements None listed

Signal word **WARNING**
Hazard statement Causes severe eye irritation
Precautionary statement
Prevention Wear eye protection/face protection.
Response **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention
Storage No prescriptive instruction.
Disposal No prescriptive instruction
Hazard(s) not otherwise classified (HNOC) None.
Supplemental information None.

3. Composition/information on ingredients

Mixture Component(s)		
Chemical name	CAS number	%
Nonylphenol ethoxylate	127087-87-0	1-10
Other components below reportable levels		90-99

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact



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Eye contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. If irritation persists get medical attention. Eye wash stations should be located in work area.
Ingestion	Rinse mouth with water. Get medical attention if symptoms occur. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Dermatitis. Rash. May cause an allergic skin reaction.
Indication of immediate medical attention and special treatment needed	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk. This product is not flammable
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective equipment and clothing during clean-up. Wear eye/face protection.
Methods and materials for containment and cleaning up	Caution – spillages may be slippery. Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into open waterways, storm sewers or ecologically-sensitive areas. Small spills: Wipe up with absorbent material (e.g. cloth, absorbent wipes). Clean surface thoroughly with water to remove residual contamination. Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Do not release into the general environment (see section 12). Avoid discharge into areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
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Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Do not store in extreme temperature conditions.

8. Exposure controls/personal protection

Occupational exposure limits

Ethylene Oxide (trace in product)	OSHA PEL	ACGIH TWA
	1 ppm	1 ppm

Biological limit values

Ethylene Oxide	5 micrograms/g HEMA	Creatinine in Urine
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Appropriate engineering controls Emergency eye wash stations and showers should be readily accessible. Provide natural or mechanical ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Nitrile, butyl rubber and neoprene are recommended barrier materials

Other None.

Respiratory protection Respiratory protection not required for prescribed use of this product

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical State	Liquid
Color	Blue/green
Odor	Fresh, floral
Odor threshold	Not available
pH	6-7
Melting/freezing point	Not available.
Initial boiling point and boiling range	>212°F (100°C)
Flash point	>385°F (196°C)
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	Not available.
Lower	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity (water=1)	1.03
Solubility in water	Soluble.
Partition coefficient (n-octanol/water)	Not available. Projected at less than 3.44



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Auto-ignition temperature Not available.
 Decomposition temperature Decomposes on heating.

10. Stability and reactivity

Reactivity This product is stable and non-reactive under normal conditions of use.
Chemical stability Material is stable under normal conditions.
Possibility of hazardous reactions Hazardous polymerization does not occur.
Conditions to avoid Heat, flames can cause product to decompose.
Incompatible materials Strong acids, strong bases, strong oxidizing agents.
Hazardous decomposition products Aldehydes, ketones, organic acids.

11. Toxicological information

Information on likely routes of exposure

- Ingestion** Expected to be a low ingestion hazard.
- Inhalation** Expected to be a low inhalation hazard.
- Skin contact** Repeated and/or prolonged skin contact may cause slight irritation.
- Eye contact** Contact will cause moderate eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Dermatitis. Rash. May cause an allergic skin reaction in susceptible individuals.

Acute toxicity Not established.

Product Floor Bright (CAS mixture)		
Exposure Classification	Route and Species	LD ₅₀ /LC ₅₀
Acute	Oral, rat	>17,454 mg/kg (estimated)
Acute	Dermal, rabbit	>22,300 mg/kg (estimated)
*Estimates for product may be based on additional component data not shown		

- Skin corrosion/irritation** Not classified.
- Serious eye damage/ irritation** Causes severe eye irritation.
- Respiratory sensitization** Not classified.
- Skin sensitization** Not classified.
- Germ cell mutagenicity** Not classified.
- Carcinogenicity** Not considered a carcinogen.
- OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not Listed.
- Reproductive toxicity** Not classified.
- Specific target organ toxicity – single exposure** Not classified.
- Specific target organ toxicity – repeated exposure** Not classified.
- Aspiration hazard** Not considered an aspiration hazard.

12. Ecological information

Ecotoxicity		
Product Floor Bright (CAS mixture)		
Aquatic Receptor	Species	Test Thresholds
Crustacea	Daphnia magna	EC ₅₀ (48-hr): 169 mg/L (estimated)
Fish	Fathead Minnow	LC ₅₀ (96-hr): 89 mg/L (estimated)



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Persistence and degradability	Nonylphenyl ethoxylates are not considered readily biodegradable. However, chemicals of this class are moderately biodegradable under certain common environmental conditions.
Bio-accumulative potential	No data available. Components are highly water-soluble and not expected to accumulate in dynamic biological systems
Mobility in soil	Not available. Chemicals of these classes are expected to exhibit moderate to high mobility in saturated and semi-saturated soils
Other adverse effects	Not available.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Do not release to the environment.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Waste from residues/unused product	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instructions). The contents of this product are not believed to meet minimum qualifications for classification as an EPA-defined RCRA hazardous waste
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT Not regulated as dangerous goods.

15. Regulatory information

US federal regulations

SARA 302 Extremely hazardous substance Not listed.

SARA 304 Emergency release notification Not listed.

SARA 311/312 Hazard Categories

Immediate Hazard – No

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

SARA 313 (TRI reporting) Not listed.

California Proposition 65



WARNING: This product can expose you to Ethylene Oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



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16. Other information, including date of preparation or last revision

Issue date 11/12/2019
Revision date
Version # 1
HMIS® ratings Health: 1
Flammability: 0
Physical hazard: 0



NFPA ratings Health: 1
Flammability: 0
Instability: 0



Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified by the text.

Revision information First Issue