

SECTION 1: Identification

Product identifier

Product name Warrior Floor Finish
Product Application Floor Finisher & Sealer
Other means of identification: SDS # 026

Supplier's details

Smith & Jones Janitorial Supplies
1 Biloxi Square
West Columbia, SC 29170
(803) 822-8500

Emergency phone number(s) (800) 535-5053 INFOTRAC, INC.

SECTION 2: Hazard identification

OSHA Regulatory Status: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity, oral – Not classified
Acute toxicity, dermal – Not classified
Skin corrosion/irritation –Category 3

WARNING

Hazard Statements

May be Harmful if swallowed
Causes skin irritation
Causes serious eye irritation

Appearance Opaque Physical state Liquid Odor Mild Ammonia

Precautionary statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing
IF ON SKIN: Wash with plenty of soap and water
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth
Take off contaminated clothing and wash before reuse.

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SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Chemical Name	CAS No.	Weight - %
Styrene Acrylic Copolymer	Proprietary	10 - 20
2-(2ethoxyethoxy) ethanol	111-90-0	1 - 3
Tributoxyethyl Phosphate	78-51-3	1 - 2
Zinc oxide	1314-13-2	.1 - 1
Ammonia	7664-41-7	.1 - 1

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled	Remove the affected individual into fresh air and keep the person calm.
In case of skin contact	Wash affected areas with water while removing contaminated clothing.
In case of eye contact	In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.
If swallowed	Do not induce vomiting. Rinse mouth and then drink plenty of water.

Most important symptoms/effects, acute and delayed

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. See Section 11.

Indication of immediate medical attention and special treatment needed, if necessary

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment.

Special protective actions for fire-fighters

Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personnel should be trained for spill response operations.

Methods and materials for containment and cleaning up

Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed. Pickup and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

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SECTION 7: Handling and storage

Precautions for safe handling

As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing sprays or mists generated by this product. Use in a well-ventilated location.

Conditions for safe storage, including any incompatibilities

Containers of this product must be properly labeled. Store containers in a cool, dry location. Keep container tightly closed when not in use. Protect from physical damage.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure Guidelines Chemical name	Exposure guidelines noted for ingredients.		
	ACGIH TLV	OSHA PEL	NIOSH IDLH
Zinc oxide fume 1413-13-2	STEL: 10 mg/m3 respirable TWA: 2 mg/m3 respirable	TWA: 5 mg/m3 fume TWA: 15 mg/m3 total dust	IDLH mg/m3 Ceiling: 15 mg/m3 dust
Ammonia 7664-41-7	STEL: 35 ppm TWA: 25 PPM	TWA: 50 ppm TWA: 35 MG/M3	IDLH: 300 ppm TWA: 1000 PPM
Ethanol 64-17-5	STEL: 1000 PPM	TWA: 1000 PPM TWA" 1900 MG/M3	ODLH: 3300 PPM TWA: 1900 MG/M3

NIOSH IDLH Immediately Dangerous to Life or Health

Engineering Controls **Showers, Eyewash stations & Ventilation systems.**

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists

Skin protection

Chemical resistant protective gloves, Consult with glove manufacturer for testing data

Body protection

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

Respiratory protection

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93.

Environmental exposure controls

Follow best practice for site management and disposal of waste.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Opaque Liquid
Odor	Pleasant Acrylic Odor
Odor threshold	Not determined
pH	8.0-9.0
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flash point	> 200°F
Evaporation rate	Not determined

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Flammability (solid, gas)	Not determined
Upper/lower flammability limits	Not determined
Upper/lower explosive limits	Not determined
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	1.04
Solubility	Complete
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	< 100 cps @ 25°C

SECTION 10: Stability and reactivity

Reactivity

Stable under normal use and temperature conditions.

Chemical stability

No specific information.

Possibility of hazardous reactions

None known.

Conditions to avoid

None known.

Incompatible materials

No chemical reactions are likely to occur.

Hazardous decomposition products

None known.

SECTION 11: Toxicological information

Information on likely routes of exposure

Product information:	Harmful by inhalation and in contact with eyes and skin.
Inhalation	Avoid breathing vapors or mists. May cause irritation of respiratory tract.
Eye Contact	Avoid contact with eyes. May cause slight irritation.
Skin Contact	Avoid contact with skin. Prolonged or repeated contact may dry skin.
Ingestion	Not an expected route of exposure. Do not taste or swallow.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
2-(2-ethoxyethoxy)ethanol 111-90-0	= 1920 mg/kg (Rat)	= 4200uL/kg (Rabbit) = 6 mL/kg (Rat)	= 5240 mg/m ³ (Rat) 4 h
Ethanol	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity ACGIH – A3 –Animal Carcinogen IARC – Group 1 – Carcinogenic to Humans
NPT Known – Known Carcinogen OSHA – X Present

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Reproductive toxicity	No information available.
STOT – single exposure Chronic toxicity	No information available. Ethanol has been shown to be a reproductive toxin only when consumed as an Alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term Studies only when consumed as alcoholic beverage.
Aspiration hazards	No information available.

SECTION 12: Ecological information

Ecotoxicity:

2-Ethoxyethanol

LC50 - Lepomis macrochirus (bluegill) - 10,000 mg/L - 96 h

Ammonia (1%)

LC50 - Lepomis macrochirus (bluegill) - 0.44 mg/L - 96 h

LC50 - Daphnia magna (water flea) - 25.4 mg/L - 48 h

Tributoxyethyl Phosphate

LC50 - Pimephales promelas (fathead minnow) - 10.4-12.0 mg/L - 96 h

Methoxypropoxy, Propanol

LC50 - Pimephales promelas (fathead minnow) - 10,000 mg/L - 96 h

LC50 - Daphnia magna (water flea) - 1919 mg/L - 48 h

Persistence and degradability

This product is readily biodegradable with respect to EC criteria.

Bioaccumulation potential

Product is surface active, Log Pow inappropriate.

Mobility in soil

Not expected to cause significant environment impact.

SECTION 13: Disposal considerations

Disposal of the product: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Disposal of contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Waste treatment: Not applicable.

Sewage disposal: Do not wash into the drains.

SECTION 14: Transport information

DOT (US): Not regulated

IMDG: Not regulated

IATA: Not regulated

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SECTION 15: Regulatory information

International Inventories TSCA – Complies DSL/INDSL – Complies

US Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 4 of the Code of Federal Regulations, Part 372.

2-(2-ethoxyethoxy) ethanol – 111-90-0 SARA 313 – Threshold Values – 1 %

SARA 311/312 Hazard Categories: Acute health hazard – No Chronic Health Hazard – NO
Fire hazard – No Sudden release of pressure – NO
Reactive Hazard – No

CLEAN WATER ACT (CWA)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21)

Zinc oxide 1314-13-2 CWA – Toxic Pollutants
Ammonia 7664-41-7 CWA – Reportable Quantities 100 # - CWA Hazardous Substances

U. S. States Regulations: This product is not sold in California, New Jersey, Massachusetts or Pennsylvania.

U.S. EPA Label information: EPA Pesticide Registration Number – Not Applicable

SECTION 16: Other information

The information provided in the Safety Data Sheet is accurate to the best of our knowledge. No guarantees or liabilities are expressed or implied. This information is intended solely for the use of individuals trained in the particular hazard rating system.