

Safety Data Sheet

Powerhouse Floor Finish

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

SECTION 3: Composition/information on ingredients

Substances

Components

1. Styrene/Acrylic Copolymer

Concentration 10 - 30 %*

2. Ethoxydiglycol

Concentration 1 - 5 %*
CAS no. 111-90-0

3. Tributoxyethyl Phosphate

Concentration 1 - 5 %*
CAS no. 78-51-3

4. Zinc oxide

Concentration 0.1 - 1 %*
CAS no. 1314-13-2

5. Ammonia

Concentration 0.1 - 1 %*
CAS no. 7664-41-7

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice

In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

If inhaled

Remove person to fresh air and keep comfortable for breathing.

Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

In case of skin contact

Wash with plenty of (soap and) water for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Take off contaminated clothing and wash it before reuse.

Acute and delayed symptoms and effects: Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

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In case of eye contact

Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.

Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

If swallowed

Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

Carbon oxides, Phosphorus oxides, Nitrogen oxides (NOx), Zinc/zinc oxides

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection if necessary. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage**Precautions for safe handling**

Do not swallow. Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash thoroughly after handling. Take off contaminated clothing and wash it before reuse. See Section 8 for information on Personal Protective Equipment.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store between the following temperatures: 40 and 120 Fahrenheit and out of direct sunlight and away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of reach of children.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection**Control parameters****CAS: 111-90-0 (EC: 203-919-7)**

Ethoxydiglycol

ACGIH (USA): 25 ppm WEEL inhalation

CAS: 1314-13-2

Zinc oxide, Respirable fraction

ACGIH (USA): 2 mg/m³, (ST) 10 mg/m³ TLV® inhalation; Cal/OSHA: 5 mg/m³ PEL inhalation; OSHA: 5 mg/m³ PEL inhalation

Zinc oxide, Total dust

Cal/OSHA: 10 mg/m³ PEL inhalation; NIOSH: 5 mg/m³, (C) 15 mg/m³ REL inhalation; OSHA: 15 mg/m³ PEL inhalation

CAS: 7664-41-7

Ammonia

ACGIH (USA): 25 ppm, (ST) 35 ppm TLV® inhalation; Cal/OSHA: 25 ppm, (ST) 35 ppm PEL inhalation; NIOSH: 25 ppm, (ST) 35 ppm REL inhalation; OSHA: 50 ppm PEL inhalation; 35 mg/m³ PEL inhalation

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)**Eye/face protection**

Safety glasses. Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Skin protection

Wear protective gloves (rubber, chemical resistant). Consult manufacturer specifications for further information.

Body protection

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory protection

If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator with appropriate cartridge(s), or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

Thermal hazards

No data available.

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Physical state	Liquid
Color	Opaque
Odor	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammmability limit	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	8 - 9
Kinematic viscosity	No data available.
Solubility	Soluble in water.
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	No data available.
Density and/or relative density	1.021 (Water =1)
Relative vapor density	No data available.
Particle characteristics	No data available.

SECTION 10: Stability and reactivity**Reactivity**

Stable under recommended storage conditions.

Chemical stability

Stable under normal storage conditions.

Possibility of hazardous reactions

No data available.

Conditions to avoid

Incompatible products.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

No data available.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Component Toxicity:

Ammonia

LC50 Inhalation - Rat - 2000 ppm - 4 h

Ethoxydiglycol

LD50 Oral - Rat - 10,502 mg/kg

LD50 Inhalation - Rat - >200 mg/l

LD50 Skin - Rat - 9,143 mg/kg

Tributoxyethyl Phosphate

LD50 Oral - Rat - 3,000 mg/kg

LC50 Inhalation - Rat - 6.4 mg/l

LD50 Skin - Rabbit - 2,050 mg/kg

Zinc oxide

LD50 Oral - Rat - > 3,000 mg/kg

LC50 Inhalation - Rat - > 1.79 mg/l - 4 h

LD50 Skin - Rat - > 2,000 mg/kg

Symptoms (including delayed and immediate effects):

Inhalation: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Skin corrosion/irritation

Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching

Serious eye damage/irritation

Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available.

Summary of evaluation of the CMR properties

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information**Toxicity**

No data available on product

Components:

Ammonia

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

LC50 - Cyprinus carpio (Carp) - 0.44 mg/l - 96 h

Ethoxydiglycol

LC50 - Pimephales promelas (fathead minnow) - 9,650 mg/l - 96 h

LC50 - Daphnia magna (water flea) - 3,340 mg/l - 48 h

Tributoxyethyl Phosphate

Oncorhynchus mykiss (rainbow trout) - 24 mg/l - 96 h

Daphnia magna (water flea) - 53 mg/l - 48 h

Pseudokirchneriella subcapitata (green algae) - 61 mg/l - 72 h

Zinc oxide

LC50 - Danio rerio (zebra fish) - 2.525 mg/l - 96 h

LC50 - Daphnia magna (water flea) - 1 mg/l - 48 h

EC50 - activated sludge - >1,000 mg/l - 3 h

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available.

SECTION 13: Disposal considerations**Disposal of the product**

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Disposal of contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information**DOT (US)**

Not dangerous goods

SECTION 15: Regulatory information**Safety, health and environmental regulations specific for the product in question****SARA 302 Components**

The following components are subject to reporting levels established by SARA Title III, Section 302:

Chemical name: Ammonia

CAS number: 7664-41-7

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Chemical name: Ammonia

CAS number: 7664-41-7

Ethoxydiglycol

CAS-No. 111-90-0

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

Chemical name: Ammonia

CAS number: 7664-41-7

Chemical name: Zinc oxide

CAS number: 1314-13-2

Pennsylvania Right To Know Components

Chemical name: Ammonia

CAS number: 7664-41-7

Ethoxydiglycol

CAS-No. 111-90-0

Tributoxyethyl Phosphate

CAS-No. 78-51-3

Chemical name: Zinc oxide

CAS number: 1314-13-2

New Jersey Right To Know Components

Chemical name: Ammonia
CAS number: 7664-41-7

Ethoxydiglycol
CAS-No. 111-90-0

Tributoxyethyl Phosphate
CAS-No. 78-51-3

Common name: ZINC OXIDE
CAS number: 1314-13-2

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information**Further information/disclaimer**

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall California Correctional Training and Rehabilitation Authority be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if California Correctional Training and Rehabilitation Authority has been advised of the possibility of such damages.