Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.24.2017

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POR-15 EPOXY LV CONCRETE FLOOR ARMOR - DARK GRAY

SECTION 1: Identification

Product identifier

Product name: POR-15 EPOXY LV CONCRETE FLOOR ARMOR - DARK GRAY

Product code: 48001, 48005

Recommended use of the product and restriction on use

Relevant identified uses: Paint

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

P.O.R. Products
38 Portman Road
New Rochelle, NY 10801
914-636-0700

Emergency telephone number:

United States

ChemTel Inc.

+1 800 255 3924
+1 813 248 0585

SECTION 2: Hazard(s) identification

GHS classification:

Flammable liquids, category 3
Serious eye damage, category 1
Skin irritation, category 2
Skin sensitization, category 1
Respiratory sensitization, category 1
Aspiration hazard, category 1
Specific target organ toxicity - repeated exposure, category 2

Label elements

Hazard pictograms:

Signal word: Danger

Hazard statements:

H226 Flammable liquid and vapor.
H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H304 May be fatal if swallowed and enters airways.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P264 Wash skin thoroughly after handling.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P285 In case of inadequate ventilation wear respiratory protection.
P272 Contaminated work clothing should not be allowed out of the workplace.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/light/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 If on skin (or hair): Immediately remove/take off all contaminated clothing. Rinse skin with water/shower.
P331 Do not induce vomiting.
P314 Get medical advice/attention if you feel unwell.
P301+P310 If swallowed: Immediately call a poison center or doctor/physician.
P370+P378 In case of fire: Use agents recommended in section 5 for extinction.
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see supplemental first aid instructions on this label).
P302+P352 If on skin: Wash with soap and water.
P363 Wash contaminated clothing before reuse.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
P304+P341 If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P403+P235 Store in a well ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents and container as instructed in Section 13.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 1330-20-7	Aromatic Hydrocarbon	10-15
CAS number: 7732-18-5	Water	30
CAS number: 100-41-4	Ethyl Benzene	<3
CAS number: 90-72-2	Phenol, 2,4,6-tris[(dimethylamino)methyl]-	<2
CAS number: 109-55-7	3-aminopropyldimethylamine N,N-dimethyl-1,3-diaminopropane	<2

CAS number: 8007-24-7	Cashew nutshell liquid	<2
CAS number: 1477-55-0	1,3-Benzenedimethanamine	<2
CAS number: 108-95-2	Phenol	<0.5
CAS number: 107-15-3	Ethylenediamine	<0.5

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

After skin contact:

Take off all contaminated clothing
Gently blot or brush away excess product
Wash with plenty of lukewarm, gently flowing water
Get medical advice if skin irritation occurs or you feel unwell

After eye contact:

Avoid direct contact and wear chemical protective gloves, if necessary
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
Remove contact lenses, if present and easy to do so
Continue rinsing until medical aid is available
Immediately call a POISON CONTROL CENTER or seek medical attention

After swallowing:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors
Vapors can flow to distant ignition sources and flashback
Liquid is volatile and may generate an explosive atmosphere

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

Shut off sources of ignition
Carbon monoxide and carbon dioxide may form upon combustion
Heating causes a rise in pressure, risk of bursting and combustion

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing
Beware of vapors accumulating to form explosive concentrations
Vapors can accumulate in low areas

Environmental precautions:

Should not be released into the environment
Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing
Use spark-proof tools and explosion-proof equipment
Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)
Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.
Take precautionary measures against electrostatic discharges.
Use only non-sparking tools.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.
Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

POR-15 EPOXY LV CONCRETE FLOOR ARMOR - DARK GRAY

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Ethylenediamine	107-15-3	ACGIH TLV TWA: 10.0 ppm
	Phenol	108-95-2	ACGIH TWA: 5.0 ppm
	Ethyl Benzene	100-41-4	ACGIH TWA: 20.0 ppm
	Ethyl Benzene	100-41-4	ACGIH STEL: 125.0 ppm
	Aromatic Hydrocarbon	1330-20-7	ACGIH TWA: 100.0 ppm
	Aromatic Hydrocarbon	1330-20-7	ACGIH STEL: 150.0 ppm
NIOSH	Ethylenediamine	107-15-3	NIOSH REL TWA 10 ppm, 25 mg/m³
	Phenol	108-95-2	NIOSH TWA: 5.0 ppm
	Phenol	108-95-2	NIOSH C: 15.60 ppm
	Ethyl Benzene	100-41-4	NIOSH TWA 100.0 ppm 435.0 mg/m³
	Ethyl Benzene	100-41-4	NIOSH ST 125.0 ppm 545.0 mg/m³
United States (OSHA)	Phenol	108-95-2	OSHA TWA: 5.0 ppm
	Ethyl Benzene	100-41-4	OSHA PEL (STEL): 125.0 ppm
	Ethyl Benzene	100-41-4	OSHA TWA 100 ppm 435 mg/m³
	Aromatic Hydrocarbon	1330-20-7	OSHA TWA 100.0 ppm 435.0 mg/m³
	Ethylenediamine	107-15-3	OSHA PEL TWA 10 ppm, 25 mg/m³

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.
Use explosion-proof ventilation equipment.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.
Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

POR-15 EPOXY LV CONCRETE FLOOR ARMOR - DARK GRAY

General hygienic measures:

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Dark Gray Liquid
Odor	Solvent
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	23.3°C (74°F)
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	1.11 g/mL
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	1100 - 1400 cps
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

Excess heat and ignition sources.

Incompatible materials:

None known.

Hazardous decomposition products:
Thermal decomposition can lead to release of carbon monoxide, phenols, and other irritating gases.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	oral	LD50 - Rat - 1,200 mg/kg
Ethylenediamine	oral	LD50 - Rat - 1,200 mg/kg
	dermal	LD50 - Rabbit - 730 µL/kg
Phenol	oral	LD50 - Mouse - 270 mg/kg
	dermal	LD50 - Rabbit - 630 mg/kg
3-aminopropyldimethylamine N,N-dimethyl-1,3-diaminopropane	oral	LD50 Oral - Rat - 1870 mg/kg
1,3-Benzenedimethanamine	oral	LD50 - Rat - 1,870 mg/kg
Ethyl Benzene	inhalation	LCLo - Rat - 4,000 ppm/4 h
Aromatic Hydrocarbon	dermal	LD50 - Rat - > 1,700 mg/kg
	inhalation	LC50 - Rat - 5,000 ppm/4 h

Skin corrosion/irritation

Assessment: Causes skin irritation

Product data:

No data available.

Substance data:

Name	Result
Cashew nutshell liquid	Irritating to the skin.
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	Irritating to the skin.
Ethylenediamine	Corrosive to the skin.
Phenol	Corrosive to the skin.
3-aminopropyldimethylamine N,N-dimethyl-1,3-diaminopropane	Causes skin damage
1,3-Benzenedimethanamine	Corrosive to the skin.
Aromatic Hydrocarbon	Irritating to the skin.

Serious eye damage/irritation

Assessment: Causes serious eye damage

Product data:

No data available.

Substance data:

Name	Result
Cashew nutshell liquid	Corrosive to the eyes.
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	Irritating effect on the eyes.

Respiratory or skin sensitization

Assessment: May cause an allergic skin reaction May cause allergy or asthma symptoms or breathing difficulties if inhaled

Product data:

No data available.

Substance data:

Name	Result
Cashew nutshell liquid	Sensitization possible through skin contact.
Ethylenediamine	May cause sensitization by inhalation and skin contact.
3-aminopropyldimethylamine N,N-dimethyl-1,3-diaminopropane	Sensitization possible through skin contact.
1,3-Benzenedimethanamine	Sensitization possible through skin contact.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC):

Name	Classification
Ethyl Benzene	Group 2B - Possibly carcinogenic to humans
Aromatic Hydrocarbon	Group 3 - Not classifiable as to its carcinogenicity to humans

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
Phenol	In vitro tests showed mutagenic effects.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

POR-15 EPOXY LV CONCRETE FLOOR ARMOR - DARK GRAY

Name	Result
Phenol	May cause damage to organs through prolonged or repeated exposure.
Ethyl Benzene	Repeated exposure damages the hearing organs.

Specific target organ toxicity (repeated exposure)

Assessment: May cause damage to organs through prolonged or repeated exposure

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: May be fatal if swallowed and enters airways

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

POR-15 EPOXY LV CONCRETE FLOOR ARMOR - DARK GRAY

UN number	1263
UN proper shipping name	PAINT
UN transport hazard class(es)	3
Packing group	III
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	1263
UN proper shipping name	PAINT
UN transport hazard class(es)	3
Packing group	III
Environmental hazards	None
Special precautions for user	None
EmS number	F-E, S-E
Excepted quantities	E1
Limited quantity	5L

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	1263
UN proper shipping name	PAINT
UN transport hazard class(es)	3
Packing group	III
Environmental hazards	None
Special precautions for user	None
Excepted quantities	E1
Limited quantity	10L

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

8007-24-7	Cashew nutshell liquid	Listed

90-72-2	Phenol, 2,4,6-tris[(dimethylamino)methyl]-	Listed
107-15-3	Ethylenediamine	Listed
108-95-2	Phenol	Listed
109-55-7	3-aminopropyldimethylamine N,N-dimethyl-1,3-diaminopropane	Listed
1477-55-0	1,3-Benzenedimethanamine	Listed
100-41-4	Ethyl Benzene	Listed
1330-20-7	Aromatic Hydrocarbon	Listed
7732-18-5	Water	Listed

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances:

107-15-3	Ethylenediamine	Listed
108-95-2	Phenol	Listed

SARA Section 313 toxic chemicals:

108-95-2	Phenol	Listed
100-41-4	Ethyl Benzene	Listed
1330-20-7	Aromatic Hydrocarbon	Listed

CERCLA:

107-15-3	Ethylenediamine	Listed	5000
108-95-2	Phenol	Listed	1000
100-41-4	Ethyl Benzene	Listed	1000
1330-20-7	Aromatic Hydrocarbon	Listed	100

RCRA:

108-95-2	Phenol	Listed	
1330-20-7	Aromatic Hydrocarbon	Listed	

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know:

100-41-4	Ethyl Benzene	Listed
107-15-3	Ethylenediamine	Listed
108-95-2	Phenol	Listed
109-55-7	3-aminopropyldimethylamine N,N-dimethyl-1,3-diaminopropane	Listed
1330-20-7	Aromatic Hydrocarbon	Listed
1477-55-0	1,3-Benzenedimethanamine	Listed
7732-18-5	Water	Not Listed
8007-24-7	Cashew nutshell liquid	Not Listed
90-72-2	Phenol, 2,4,6-tris[(dimethylamino)methyl]-	Not Listed

New Jersey Right to Know:

100-41-4	Ethyl Benzene	Listed
107-15-3	Ethylenediamine	Listed
108-95-2	Phenol	Listed

109-55-7	3-aminopropyldimethylamine N,N-dimethyl-1,3-diaminopropane	Not Listed
1330-20-7	Aromatic Hydrocarbon	Listed
1477-55-0	1,3-Benzenedimethanamine	Not Listed
7732-18-5	Water	Not Listed
8007-24-7	Cashew nutshell liquid	Not Listed
90-72-2	Phenol, 2,4,6-tris[(dimethylamino)methyl]-	Not Listed

New York Right to Know:

100-41-4	Ethyl Benzene	Listed
107-15-3	Ethylenediamine	Listed
108-95-2	Phenol	Listed
109-55-7	3-aminopropyldimethylamine N,N-dimethyl-1,3-diaminopropane	Not Listed
1330-20-7	Aromatic Hydrocarbon	Listed
1477-55-0	1,3-Benzenedimethanamine	Listed
7732-18-5	Water	Not Listed
8007-24-7	Cashew nutshell liquid	Not Listed
90-72-2	Phenol, 2,4,6-tris[(dimethylamino)methyl]-	Not Listed

Pennsylvania Right to Know:

100-41-4	Ethyl Benzene	Listed
107-15-3	Ethylenediamine	Listed
108-95-2	Phenol	Listed
109-55-7	3-aminopropyldimethylamine N,N-dimethyl-1,3-diaminopropane	Listed
1330-20-7	Aromatic Hydrocarbon	Listed
1477-55-0	1,3-Benzenedimethanamine	Listed
7732-18-5	Water	Not Listed
8007-24-7	Cashew nutshell liquid	Not Listed
90-72-2	Phenol, 2,4,6-tris[(dimethylamino)methyl]-	Not Listed

California Proposition 65:

⚠**WARNING**: This product can expose you to Ethyl Benzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in

this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet