

1 Identification of the substance/preparation and of the company/undertaking

Product details

Product category: FLOORING
 Trade name: EPOXY RESIN PART "B"
 Application/preparation of the substance: Grouts
 Manufacturer/Supplier: PAREXUSA, Inc.
 4125 E. LA PALMA AVE
 SUITE 250
 ANAHEIM, CA 92807

Further information obtainable from: pedro.paredes@parexusa.com
 Contact phone number: 800-226-2424
 In case of emergency, contact CHEMTREC: 800-424-9300

2 Hazards identification

Hazard pictograms (GHS-US):

Irritant 
 Corrosive 
 Health Hazards 

Signal word (GHS-US):

Warning

Hazard statement (GHS-US):

H303 Can be harmful if swallowed
 H320 Causes eye irritation
 H335 May cause respiratory irritation
 H313 May be harmful in contact with skin

Precautionary statements (GHS-US):

P402 Store in a dry place.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Chemical characterization

Dangerous components:			
CAS #	Name	Weight	Status
112-57-2	Tetraethylenepentamine	14.0 - 16.0 %	Hazardous
Proprietary Concentration	Modified Polyamine	84.0 - 86.0 %	Hazardous

Additional information: Refer to Section 8 Exposure Controls/Personal Protection for additional information concerning exposure limits.

4 First aid measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
 Skin Contact: Immediately flush skin with water for at least 15 minutes while removing contaminated clothing. Get immediate medical attention. Wash contaminated clothing before reuse.
 Ingestion: DO NOT INDUCE VOMITING. ASPIRATION HAZARD: This material may enter the lungs during vomiting. Immediately give the victim one or two glasses of water or milk to drink. Never give anything by mouth to an unconscious person. GET MEDICAL ATTENTION.
 Inhalation: Remove victim to fresh air. Keep warm and quiet. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. GET IMMEDIATE MEDICAL ATTENTION.

5 Fire-fighting measures

General information: Containers of this material may build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed containers.

Flash point: >200 deg F (>93 deg C)

Fire Fighting Extinguishing Media: Use alcohol foam, carbon dioxide, dry chemical, or water spray to extinguish fire. Use water in flooding quantities as a fog to extinguish the fire. Do not use a solid stream of water that may spread the fire.

Fire Fighting Equipment	Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Thoroughly decontaminate all protective equipment after use.
Firefighting Instructions	Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible, to a safe location as soon as possible. Fire fighters should be protected from potential explosion hazard while extinguishing the blaze. Use water spray to cool fire-exposed containers.
Fire and Explosion Hazards	Closed containers may rupture when exposed to extreme heat
Hazardous Combustion Products	Combustion may produce carbon monoxide, carbon dioxide and irritating or toxic vapors and gases. Oxides of nitrogen.

6 Accidental release measures

Accidental Release Measures	<p>FOR SMALL SPILLS: Persons not wearing protective equipment (See Section 8) should be excluded from the area of the spill until clean-up has been completed. Absorb spill with inert material (i.e. dry sand or earth), then place in a chemical waste container. Ventilate the area to decrease the airborne concentration of vapors or gases.</p> <p>FOR LARGE SPILL: Person not wearing protective equipment (See Section 8) should be excluded from the area of the spill until clean-up has been completed. Prevent spilled material from 1) contaminating soil, 2) entering sanitary sewer, storm sewer, and drainage system, and 3) entering bodies of water or ditches that lead to waterways. Shut off the leak when it is safe to do so, dike and pump the liquid into waste containers. Ventilate the area to decrease the airborne concentration of vapors or gases.</p>
Method for Clean ups	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder saw dust)

7 Handling and storage

Signal Word: DANGER	
Handling:	Avoid inhalation and contact with eyes, skin and clothing. Remove and wash contaminated clothing before reuse. Wash hands thoroughly after handling and before eating or drinking. Use with adequate ventilation. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioned or properly disposed.
Storage:	Keep container closed when not in use. Store in a cool, well ventilated space away from incompatible materials.

8 Exposure controls/personal protection

Exposure Guidelines	The American Industrial Hygiene Association (AIHA) have established, for triethylenetetramine, a Workplace Environmental Exposure Level (WEEL) of 1 ppm Time Weighted Average (TWA), with the skin notation, for an 8 hour exposure.
Engineering Controls	Use general ventilation to maintain airborne concentration to levels that are below regulatory and recommended occupational exposure limits. See occupational exposure limits in Section 3. Local ventilation may be required during certain operations.
Eye Protection	Wear 1) safety glasses with side shields and a face shield or 2) goggles and a face shield. Facilities storing or utilizing this material should be equipped with an eyewash station and safety shower
Skin Protection	Wear chemical resistant gloves such as butyl rubber. If splashing is likely, wear impervious clothing and boots to prevent skin contact. Consult your supplier of personal protective equipment for additional instruction on proper usage.
Respiratory Protection	If personal exposure cannot or may not be controlled below applicable limits by ventilation, wear properly fitted respirator approved by NIOSH/MSHA for protection against materials described above.

9 Physical and chemical properties

General information:	
form	Liquid
color	Amber
odor	Amine
Change in condition:	
melting point/melting point range	n/a
boiling point/boiling point range	n/a
evaporation rate:	n/a
vapor density:	n/a
Specific gravity:	0.946 (water = 1) at 25 C (77 F)
Vapor density:	>1 (Air= 1)
Solubility in/Miscibility with water:	n/a
Density at 20°C:	n/a
Viscosity	400 - 700 cps @ 25 C
VOC:	n/a

10 Stability and reactivity

Stability	Stable at normal temperature and storage conditions
Incompatibility	Avoid contact with acids. Avoid contact with strong oxidizing agents. Aldehydes, Alcohols, Ketones, Acrylates, Organic halides. Avoid contact with epoxy resins under uncontrolled conditions.
Hazardous Decomposition Products	Thermal decomposition may produce carbon dioxide, carbon monoxide and volatile amines. Nitrogen oxides.
Hazardous Polymerization	Will not occur
Conditions to Avoid	Contamination by those materials referred to under Incompatibility. Do not mix this product with nitrites or other nitrosating agents because a nitrosamine may be formed. Nitrosamine may cause cancer.

11 Toxicological information

Acute Eye Toxicity	No Information Available
Acute Toxicity	
Tetraethylenepentamine	
LD50 Oral	2140 mg/kg - rat
LD50 (Dermal)	660 mg/kg - rabbit
Chronic/Carcinogenicity	This material does not contain 0.1 % or more of any chemical listed by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or regulated by the United States Occupational Safety and Health Administration (OSHA) as carcinogen
Sensitization	Inhalation of ethyleneamines may cause sensitization of the respiratory tract and the development of an asthmatic reaction on further exposure. Isophorone Diamine: (Magnusson-Kligman) (Guinea pig): markedly sensitizing
Mutagenicity	Tetraethylenepentamine: In vitro genetic toxicity studies were positive. In vivo animal genetic toxicity studies were negative.





12 Ecological information

Ecotoxicity	
Ecotoxicity effects:	Moderately toxic to aquatic organisms
Bioaccumulation:	No Information Available
Environmental Fate	The bio concentration potential for tetraethylenepentamine is low. Potential for mobility in soil is very high. Biodegradation under aerobic

13 Disposal considerations

Waste Disposal Method	Not a RCRA hazardous waste. Disposal of this material is not regulated under RCRA. Consult federal, state, and local regulations to ensure that this material and its containers, if discarded, is disposed of in compliance with all regulatory requirements. "Empty Containers", as defined under 40 CFR 261.7 or other applicable state or provisional regulations or transportation regulations are not classified as hazardous waste.
RCRA Hazard Class	NOT A RCRA HAZARDOUS WASTE. When discarded in its purchased form, this material would not be regulated as a RCRA Hazardous waste
US EPA Waster Number:	Not Applicable

14 Transport information

US DOT: Bulk and Non-Bulk	UN-No: UN3082 Amines, Liquid, Corrosive, N.O.S. Shipping Name: TETRAETHYLENEPENTAMINE Hazard Class: 9 Packing Group: III No: 171 Marine Pollutant: TETRAETHYLENEPENTAMINE information may vary with the container and mode of transport	Proper Shipping Name: TETRAETHYLENEPENTAMINE Hazard Class: 9 Packing Group: III NAERG DOT Exemption: The Transport	
TDG	UN-No: UN3082 Amines, Liquid, Corrosive, N.O.S. Shipping Name: TETRAETHYLENEPENTAMINE Hazard Class: 9 Packing Group: PG III No: 171 Marine Pollutant: TETRAETHYLENEPENTAMINE information may vary with the container and mode of transport	Proper Shipping Name: TETRAETHYLENEPENTAMINE Hazard Class: 9 Packing Group: III NAERG DOT Exemption: The Transport	
IATA: Non Bulk	UN-No: UN3082 Amines, Liquid, Corrosive, N.O.S. Shipping Name: TETRAETHYLENEPENTAMINE Hazard Class: 9 Packing Group: III Instructions: 964 171 Marine Pollutant: TETRAETHYLENEPENTAMINE information may vary with the container and mode of transport	Proper Shipping Name: TETRAETHYLENEPENTAMINE Hazard Class: 9 Packing Group: III NAERG No: DOT Exemption: The Transport	
IMDG: Bulk and Non-Bulk	UN-No: UN3082 Amines, Liquid, Corrosive, N.O.S. Shipping Name: TETRAETHYLENEPENTAMINE Hazard Class: 9 Packing Group: PG III NAERG No: 171 TETRAETHYLENEPENTAMINE information may vary with the container and mode of transport	Proper Shipping Name: TETRAETHYLENEPENTAMINE Hazard Class: 9 Packing Group: III NAERG No: 171 TETRAETHYLENEPENTAMINE DOT Exemption: The Transport	

15 Regulatory information

US Federal regulations	
CERCLA, section 103 (40CFR302.4)	This product contains the following toxic chemicals that require notification of the National Response Center of releases of quantities of hazardous substances equal to or greater than the Reportable Quantities (RQ): No reportable quantities are present.
Clean Air Act, section 112	This product contains the following components present at or above the minimum level and listed as Hazardous or Extremely Hazardous Air Pollutants: No reportable quantities are present.
SARA, section 302 (40CFR355.30) and section 304 (40CFR355.40)	This product contains the following items that require emergency planning based on Threshold Planning Quantities (TPQ) or release reporting based on RQ: No reportable quantities are present.

SARA, section 311/312 (40CFR370.21) Hazard classification for this product		
Fire: No	Pressure generating: No	Reactivity: No
Acute health: Yes	Chronic health: No	
SARA, section 313 (40CFR372.65)		
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986:		
No reportable quantities are present.		
EPA VOC regulations		
Theoretical VOC for this product = 211 g/L		
TSCA		
All components of this product are listed, or are exempt from listing on the TSCA inventory.		
OSHA		
This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR1910.1200). Unlisted ingredients are not 'hazardous' per OSHA standards.		
In addition to items listed in Section 11, this product contains the following items that are specifically regulated by OSHA. Exposure limits may be found in Section 8.		

CAS #	Component	WHMIS Ingredient Disclosure List
112-57-2	Tetraethylenepentamine	1.00%

State regulations
California
Warning - The following chemicals are present in this coating product in small amounts. These chemicals are listed by the California EPA as materials known to the State of California to cause cancer, (and/or) birth defects, (and/or) other reproductive harm:
No reportable quantities are present.

16 Other information

The information and recommendation set forth herein are believed to be accurate. Because some of the information used to prepare this document is derived from information provided to PAREXUSA, Inc. from its suppliers, and because PAREXUSA, Inc. has no control over the conditions of handling and use, PAREXUSA, Inc. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof and assumes no responsibility from use or reliance thereon. It is the responsibility of the user of PAREXUSA, Inc. products to comply with all applicable federal, state, and local laws and regulations.