MATERIAL SAFETY DATA SHEET

---------- I. PRODUCT IDENTIFICATION ----------

TRADE NAME (as labeled): Redi Poxy Part A

CHEMICAL FAMILY: Amine epoxy curing agent

MANUFACTURER'S NAME:

Tile Redi USA, LLC
Tile Redi LTD
Tile Redi Internet Sales, LLC
4450 N.W. 126th Ave Suite 101
Coral Springs, Florida 33065

Phone number for additional information: 800-232-6156

Date prepared or revised: 10/2010 Name of preparer: S.B. Fine

---------- II. HAZARDOUS INGREDIENTS ----------

CHEMICAL NAMES	CAS NUMBERS	PERCENT	ACGIH TLV	OSHA PEL	OTHER (SPECIFY)
Tetraethlyene pentamine reaction products with tall oil fatty acids	68953-36-6	70-75	N/A	N/A	
Tetraethlyene pentamine	112-57-2	5-10	N/A	N/A	
1-(2-aminoethyl piperazine)	140-31-8	1-4	N/A	N/A	
Tris2-4-6(diaminomethyl) phenol	90-72-2	1-3	N/A	N/A	

N/A = Not applicable or available

---------- III. HEALTH HAZARD INFORMATION ----------

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure. (Possible Longer Term Effects). Sensitization and asthmatic reaction may develop with continued exposure to vapors.

SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)
Inhaled: Breathing vapors may cause irritation of the nose and throat. Symptoms associated with pre-existing lung disorders may be aggravated by exposure to this material.

Contact with skin or eyes: This material causes severe eye irritation. Direct contact with the material or exposure to vapor or mists may cause stinging, tearing, redness, blurred vision, and chemical burns of the cornea. Burns of the eye may cause blindness. This material is corrosive to skin. Skin sensitization and allergic reaction are possible.

Absorbed through skin: N/A

Swallowed: Not likely to occur in typical industrial environments however ingestion of this material may be harmful or fatal.

SUSPECTED CANCER AGENT?
__x__ NO: This product's ingredients are not found in the lists below.

YES: _____ Federal OSHA _____ NTP _____ IARC

----------IV. FIRST AID: EMERGENCY PROCEDURES----------

Eye Contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact: Remove product and immediately flush affected area with water for at least 15 minutes. Call a physician. Except in the most minor, superficial and localized burns, cover the affected area with a sterile dressing or clean sheeting and transport for medical care. DO NOT APPLY GREASES OR OINTMENTS. Control shock, if present. Launder contaminated clothing prior to reuse. Contaminated leather wear should be discarded. Victims of a major skin area contact should remain under medical observation for at least 24 hours due to possible delayed effects.

.

Inhaled: If breathing has stopped or is labored give assisted respiration (e.g. mouth-to-mouth). Supplemental oxygen may be indicated. Prevent aspiration of vomit. Turn victim's head to the side. Assure mucus does not obstruct airway. Call a physician

Swallowed

In the event of ingestion, DO NOT INDUCE VOMITING. Obtain medical care and hospital treatment immediately. .

---------- V. FIRE AND EXPLOSION ----------

Flash Point method): 350^{o}F (Cleveland Open Cup)

Auto ignition temperature,°F:

Flammable limits in air, volume %: Lower (LEL)_____ Upper (UEL)

Fire extinguishing materials:

_____x___ water spray __x__ carbon dioxide _____ other:

__x__ foam __x__ dry chemical

Special fire fighting procedures: NFPA class II of HMIS class I rating. Wear full protective gear and NIOSH/MSHA approved self-contained breathing apparatus. Retain expended liquids from fire fighting for later disposal.

Unusual fire and explosion hazards: N/A

	MATERIAL SAFETY DATA SHEET	

---------- VI. SPILL, LEAK, AND DISPOSAL PROCEDURES ----------

Spill response procedures (include employee protection measures): Dam and absorb spill with absorbent materials, minimize breathing vapors. Increase ventilation. Wear impervious gloves, safety goggles, and NIOSH approved organic vapor canister type respirator.

Preparing wastes for disposal (container types, neutralization, etc.): Absorb spill on sand, earth, or vermiculite. Carefully collect into closed containers for disposal. Wash spill area with 5% acetic acid then flush with water. Do not sewer. NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

----------VII. Handling and Storage----------
Store in cool dry area.

---------- VIII. Exposure Controls and Personal Protection ----------
Ventilation and engineering controls: General ventilation should be adequate.

Respiratory protection (type): In confined areas, a NIOSH approved organic vapor canister type respirator should be worn.

Eye protection (type): Chemical splash proof goggles.

Gloves (specify material): Nitrile rubber gloves. In emergency situations, wear impermeable gloves with cuffs to prevent spread of material to area above the wrists.
.
Other clothing and equipment: Long sleeved shirt and long trousers

Work practices, hygienic practices: Wash at the end of each work shift and before eating, smoking or using the toilet. Launder or discard contaminated clothing. Discard contaminated leather articles. Examine protective gloves before using. Discard if find evidence of holes or cracks

Other handling and storage requirements: N/A

Protective measures during maintenance of contaminated equipment: See above.

---------- IX. PHYSICAL PROPERTIES ----------

Vapor density (air=1): N/A

Melting point or range,°F: N/A

Specific gravity: 0.99

Boiling point or range, °F: N/A

Solubility in water: slightly soluble

Evaporation rate (butyl acetate = 1): N/A

	MATERIAL SAFETY DATA SHEET	

Vapor pressure, mmHg at 20°C: N/A
Appearance and odor: Amber colored liquid with amine odor
HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist):

---------- X. REACTIVITY DATA ----------
Stability: ___x___ Stable _____ Unstable

Conditions to avoid: N/A

Incompatibility (materials to avoid): Oxidizing Agents (i.e. perchlorates, nitrates etc.). Cleaning solutions, such as chromerge (sulfuric acid/dichromate) and aqua regia. a reaction accompanied by large heat release occurs when the product is mixed with acids.

Hazardous decomposition products (including combustion products): (from burning, heating, or reaction with other materials). Carbon monoxide, carbon dioxide, oxides of nitrogen.

Hazardous polymerization: _____ May occur ___x___ Will not occur

Conditions to avoid: N/A.

----------XI. Toxicology Information----------
Polyamide resin – Oral (Rat) LD50 >2000mg/kg Irritation data skin- rabbit: >660mg/kg corrosive eye – rabbit: severe

----------XII. Ecological Information----------
LC50 (24 h) :222 mgll Species : Rainbow trout (Oncorhynchus mykiss). LC100 (96 h) :240 mg/l Species :Rainbow trout (Oncorhynchus mykiss). LC0 (96 h) :180 mg/l Species :Rainbow trout (Oncorhynchus mykiss). LC50 (24 h) :249 mgll Species :Carp (Cyprinus carpio). LC50 (96 h): 175 mg/l Species : Carp (Cyprinus carpio). EC50(96h):718mg/l Species : Grass shrimp (Palaemonetes). EC100 (96 h): 1,000 mg/l Species : Mud crab (Neopanope). EC0 (96 h): 750 mg/l Species : Mud crab (Neopanope). EC50 (72 h): 84 mg/l Species: Scenedesmus subspicatus

Toxicity to other organisms : No data available.

Persistence and degradability

Biodegradability : According to the results of tests of biodegradability this product is not readily biodegradable.

Mobility : No data available.

Bioaccumulation : No data is available on the product itself.

	MATERIAL SAFETY DATA SHEET	

----------XIII. Disposal Information----------
Dispose in compliance with local, state, and federal regulations.

----------XIV. Transport Information----------
DOT
DOT Proper Shipping Name: Amines liquid Corrosive, n.o.s
Technical Name (tetraethylenepentamine and Tris-2,4,6-(dimethylaminomethyl)phenol))
Hazard Class: 8
UN/ID Number: UN2735
Packing Group II .

For material in inner packagings not over 1 liter (0.3 gallon) can be classified Consumer Commodity ORM-D.

IATA
Proper Shipping Name: Amines liquid Corrosive, n.o.s
Technical Name (tetraethylenepentamine and Tris-2,4,6-(dimethylaminomethyl)phenol)
Hazard Class: 8
UN/ID Number: UN2735
Packing Group II .

IMDG
Proper Shipping Name: Amines liquid Corrosive, n.o.s
Technical Name (tetraethylenepentamine and Tris-2,4,6-(dimethylaminomethyl)phenol))
Hazard Class: 8
UN/ID Number: UN2735
Packing Group II

TDG
Proper Shipping Name: Amines liquid Corrosive, n.o.s
Technical Name (tetraethylenepentamine and Tris-2,4,6-(dimethylaminomethyl)phenol))
Hazard Class: 8
UN/ID Number: UN2735
Packing Group II

----------XV. Regulatory Information----------
All ingredients are listed on the U.S. EPA TSCA inventory of chemical substances.
SARA Section 311/312 Hazard Classification: Immediate (Acute) Health, Delayed (chronic) Health.

W.H.M.I.S. Code E

	MATERIAL SAFETY DATA SHEET	

----------XVI Other Information----------

This information is furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.

r obtained from sources believed by us to be accurate.

MATERIAL SAFETY DATA SHEET

---------- I. PRODUCT IDENTIFICATION ----------

TRADE NAME (as labeled): Redi Poxy Part B

CHEMICAL FAMILY: Epoxy Resin

MANUFACTURER'S NAME: Tile Redi USA, LLC
Tile Redi LTD
Tile Redi Internet Sales, LLC
4450 N.W. 126th Ave Suite 101
Coral Springs, Florida 33065

Phone number for additional information: 800-232-6156

Date prepared or revised: 10/2010 Name of preparer: S.B. Fine

---------- II. HAZARDOUS INGREDIENTS ----------

CHEMICAL NAMES	CAS NUMBERS	PERCENT	ACGIH TLV	OSHA PEL	OTHER (SPECIFY)
Propane, 2,2-bls[p-(2,3-epoxypropoxy)pheny J]-, polymers	25085-99-8	60-70	N/A	N/A	N/A
Alkyl glycidyl ether	28064-14-4	15-25	N/A	N/A	N/A
Reaction product: Bisphanol F-(eplchlorhydrln); epoxy resinr	68609-97-2	10-20	N/A	N/A	N/A

N/A = Not applicable or available

---------- III. HEALTH HAZARD INFORMATION ----------

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure. (Possible Longer Term Effects) None Known

SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)
Inhaled: May cause irritation of respiratory tract.

Contact with skin or eyes: Minor transient irritation for eye contact. No corneal injury likely. May cause allergic skin reaction. Prolonged exposure not likely to cause skin irritation. Skin sensitizer

Absorbed through skin: Not likely to absorb through skin in toxic amount in a single prolonged exposure. LD 50 for skin absorption for rabbits = 20,000 mg/kg.

	MATERIAL SAFETY DATA SHEET	

Swallowed: Causes gastrointestinal irritation and possible burns if swallowed
SUSPECTED CANCER AGENT?
__x__ NO: This product's ingredients are not found in the lists below.

YES: _____ Federal OSHA _____ NTP _____ IARC

----------IV. FIRST AID: EMERGENCY PROCEDURES----------

Eye Contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact: Contact will probably cause no more than irritation. Wash off in flowing water or shower. Wash clothing before reuse.

Inhaled: If inhaled, remove to fresh air. If effects occur consult a physician
Swallowed Do not induce vomiting. Call a physician

---------- V. FIRE AND EXPLOSION ----------
Flash Point method): 245□F method used = PMCC
Auto ignition temperature,°F: N/A
Flammable limits in air, volume %: Lower (LEL)_____ Upper (UEL)
Fire extinguishing materials:
_____ water spray __x__ carbon dioxide _____ other:
__x__ foam __x__ dry chemical

Special fire fighting procedures: Wear positive pressure self contained breathing apparatus

Unusual fire and explosion hazards: None known.

---------- VI. SPILL, LEAK, AND DISPOSAL PROCEDURES ----------

Spill response procedures (include employee protection measures): Soak up in absorbent material or scrape up. Residual can be removed with hot water and a nonionic surfactant. Wear goggles, rubber gloves, long sleeved clothing.

Preparing wastes for disposal (container types, neutralization, etc.): Burn in adequate incinerator or bury in an approved landfill.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

	MATERIAL SAFETY DATA SHEET	

----------VII. Handling and Storage----------
Store in cool dry area**.**
---------- VIII. Exposure Controls and Personal Protection ----------
Ventilation and engineering controls: Good room ventilation should be adequate for most operations

Respiratory protection (type): None normally needed
Eye protection (type): Chemical splash proof goggles, safety glasses

Gloves (specify material): Rubber or polyethylene gloves
Other clothing and equipment: clean, body-covering clothing

Work practices, hygienic practices: N/A

Other handling and storage requirements: N/A

Protective measures during maintenance of contaminated equipment: See above
---------- IX. PHYSICAL PROPERTIES **----------**

Vapor density (air=1): N/A — Melting point or range,°F: N/A

Specific gravity: 1.12 — Boiling point or range, °F: N/A

Solubility in water: insoluble — Evaporation rate (butyl acetate = 1): N/A
Vapor pressure, mmHg at 20°C: N/A — VOC 0.04 lb/gal.
Appearance and odor: thick opaque liquid
HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist):

---------- X. REACTIVITY DATA ----------
Stability: ___x___ Stable _____ Unstable

Conditions to avoid: Excess heating over long periods of time degrades the resin

Incompatibility (materials to avoid): Bases

Hazardous decomposition products (including combustion products): (from burning, heating, or reaction with other materials). Incomplete pyrolosis or combustion results in phenolics, carbon monoxide, carbon dioxide, and water. Thermal decomposition should be traced as a potentially hazardous substance.

Hazardous polymerization: _____ May occur ___x___ Will not occur

	MATERIAL SAFETY DATA SHEET	

Conditions to avoid: Masses of more than 1 pound of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build up.

----------XI. Toxicology Information----------

LD 50 for skin absorption for rabbits = 20,000 mg/kg

----------XII. Ecological Information----------

None Known

----------XIII. Disposal Information----------

Dispose in compliance with local, state, and federal regulations.

----------XIV. Transport Information----------

No special labeling or transportation placarding is required.

----------XV. Regulatory Information----------

All ingredients are listed on the U.S. EPA TSCA inventory of chemical substances.

----------XVI Other Information----------

This information is furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.

MATERIAL SAFETY DATA SHEET

---------- I. PRODUCT IDENTIFICATION ----------

TRADE NAME (as labeled): Redi Poxy Part C

CHEMICAL FAMILY: Proprietary Blend

MANUFACTURER'S NAME:

Tile Redi USA, LLC
Tile Redi LTD
Tile Redi Internet Sales, LLC
4450 N.W. 126th Ave Suite 101
Coral Springs, Florida 33065

Phone number for additional information: 800-232-6156

Date prepared or revised: 10/2010 Name of preparer: S.B. Fine

---------- II. HAZARDOUS INGREDIENTS ----------

CHEMICAL NAMES	CAS NUMBERS	PERCENT	ACGIH TLV	OSHA PEL	OTHER (SPECIFY)
Silica Sand	14808-60-7	50 - 90	50 micro g/m³	10 mg/m³	N/A
Aluminum Oxide	1344-28-1	0 - 4	10 mg/m³	15 mg/m³	N/A
Titanium Dioxide	13463-67-1	0 - 12	10 mg/m³	15 mg/m³	N/A

N/A = Not applicable or available

---------- III. HEALTH HAZARD INFORMATION ----------

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure. (Possible Longer Term Effects) Inhaled: Symptoms are dyspnea-caused by many lung scars that develop from the dust-pain in chest, decreased vital Chronic lung scarring leads to a progressive massive fibrosis that is often accompanied by increased susceptibility to the risk of impaired health due to a combination of smoking and dust exposure. Persons with reduced pulmonary function may be at increased risk.

capacity and cough. Inhalation of the dust can cause silicosis and may cause lung cancer depending on duration and level of exposure

SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects) Eye contact may cause eye irritation. Inhalation of dust may cause lung irritation.

SUSPECTED CANCER AGENT?

___ NO: This product's ingredients are not found in the lists below.

YES: _____ Federal OSHA _____ NTP __x___ IARC

	MATERIAL SAFETY DATA SHEET	

----------IV. FIRST AID: EMERGENCY PROCEDURES----------

Eye Contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact: If irritation occurs, remove affected clothing and wash the skin exposed.

Inhaled: Remove to fresh area. For extreme respiratory distress, administer oxygen.

Swallowed Refer to physician

---------- V. FIRE AND EXPLOSION ----------

Flash Point method): Non Flammable or combustible

Auto ignition temperature,°F: N/A

Flammable limits in air, volume %: Lower (LEL)_____ Upper (UEL)

Fire extinguishing materials:

_____x___ water spray __x__ carbon dioxide _____ other:

__x__ foam __x__ dry chemical

Special fire fighting procedures: Wear self-contained breathing apparatus with full face piece and protective clothing.

Unusual fire and explosion hazards: This product may form explosive dust clouds in air.

---------- VI. SPILL, LEAK, AND DISPOSAL PROCEDURES ----------

Spill response procedures (include employee protection measures): Clean up with dustless method (use vacuum or wet sweeping). Wear NIOSH approved dust mask, safety glasses, gloves.

Preparing wastes for disposal (container types, neutralization, etc.): N/A

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

----------VII. Handling and Storage----------

Store in cool dry area.

---------- VIII. Exposure Controls and Personal Protection ----------

Ventilation and engineering controls: normal ventilation

Respiratory protection (type): NIOSH approved disposable dust mask if TLVL is exceeded

Eye protection (type): safety glasses

Gloves (specify material): cloth or impermeable gloves

Other clothing and equipment: long sleeved clothing

Work practices, hygienic practices: normal good housekeeping

Other handling and storage requirements: keep away from strong alkalis and oxidizers

Protective measures during maintenance of contaminated equipment: Wear NIOSH approved dust mask, safety glasses, gloves

---------- IX. PHYSICAL PROPERTIES ----------

Vapor density (air=1): N/A — Melting point or range,°F: N/A

Specific gravity: 2.3 — Boiling point or range, °F: N/A

Solubility in water: Insoluble — Evaporation rate (butyl acetate = 1): N/A

Vapor pressure, mmHg at 20°C: N/A — VOC: 0 lb/gal

Appearance and odor: odorless free flowing colored powder

HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist): N/A

---------- X. REACTIVITY DATA ----------

Stability: ___x___ Stable _____ Unstable

Conditions to avoid: N/A

Incompatibility (materials to avoid): Exposure to hydrofluoric acid or strong alkalis or oxidizers.

Hazardous decomposition products (including combustion products): (from burning, heating, or reaction with other materials). May release carbon monoxide, carbon dioxide, nitrogen oxide, ammonia upon combustion.

Hazardous polymerization: _____ May occur ____x__ Will not occur

Conditions to avoid: Exposure to strong oxidizers or alkalis

----------XI. Toxicology Information----------

N/A

----------XII. Ecological Information----------

N/A

----------XIII. Disposal Information----------

Dispose in compliance with local, state, and federal regulations.

----------XIV. Transport Information----------

No special labeling or transportation placarding is required.

	MATERIAL SAFETY DATA SHEET	

----------XV. Regulatory Information----------

All ingredients are listed on the U.S. EPA TSCA inventory of chemical substances.

This product contains a chemical known to the State of California to cause cancer or reproductive harm.

----------XVI Other Information----------

This information is furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.