I. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): SpectraLOCK® 2000 IG Part A

CHEMICAL FAMILY: Amine epoxy hardener

MANUFACTURER'S NAME: LATICRETE INTERNATIONAL, INC.
1 Laticrete Park, N.
Bethany, CT 06524-3423 USA

Phone number for additional information: (203) 393-0010 or website :www.laticrete.com

Date prepared or revised: 2/2010 Name of preparer: Z. Andrew Szczepaniak

II. HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS NUMBERS	PERCENT	ACGIH TLV	OSHA PEL	OTHER (SPECIFY)
Formaldyhyde, polymer with benzeneamine hydrogenated	135108-88-2	>30%	N/A	N/A	N/A
Tetraethylenepentamine	112-57-2	<10%	N/A	N/A	N/A
Nonylphenol	25154-52-3	<10%	N/A	N/A	N/A
Diethylenetriamine	111-40-0	<10%	N/A	N/A	N/A
4,4'-Isopropylidenediphenol	80-05-7	<10%	N/A	N/A	N/A
Modified Cycloaliphatic Amine	Trade Secret	<10%	NE	NE	N/A
Benzyl Alcohol	100-51-6	<1%	NE	NE	N/A

N/A = Not applicable or available

III. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: Can cause severe eye, skin and respiratory tract burns. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.

Contact with skin or eyes: Causes eye burns. May cause blindness. Severe eye irritation.

Absorbed through skin: Causes skin burns. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.

Swallowed: Harmful if swallowed. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. May cause central nervous system effects, such as headache, nausea, vomiting, abdominal pain, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.

Chronic Health Hazard: This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Prolonged contact may result in chemical burns and permanent damage. May cause allergic skin reaction.

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, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.

Skin Contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing. Take off contaminated clothing and shoes immediately. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

Inhaled: Remove to fresh air. Seek medical attention if necessary.

Swallowed: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

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

Auto ignition temperature,°F: N/A
Flammable limits in air, volume %: N/A Lower (LEL)_____ Upper (UEL)
Fire extinguishing materials:

___ water spray	_X_ carbon dioxide	_X_ other: limestone powder, sand
_X_ foam (alcohol resistant)	_X_ dry chemical	

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

Unusual fire and explosion hazards: May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Incomplete combustion my form carbon monoxide. Ammonia gas may be liberated at high oxides of nitrogen (NOx) is to be expected. Do not allow run-off from fire fighting to enter drains of water courses. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

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

Personal precautions: Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.
Environmental precautions: Construct a dike to prevent spreading.
Methods for cleanup: Approach suspected leak areas with caution. Contact LATICRETE for advice. Place in appropriate chemical waste container.

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

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

Handling: Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke.
Storage: Keep away from: acids, oxidizers. Keep in cool, dry, ventilated storage and in closed containers.

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

Ventilation and engineering controls: Normal for properly ventilated areas.

Respiratory protection (type): Not required for properly ventilated areas.

Eye protection (type): Full face shield with goggles underneath. Chemical resistant goggles must be worn.

Gloves (specify material): Impervious gloves: butyl-rubber, nitrile rubber, Butyl-rubber, PVC disposables. The breakthrough time of the selected glove(s) must be greater than the intended use period.

Other clothing and equipment: Long sleeved impervious clothing, full rubber suit (rain gear), rubber or plastic boots, slicker suit.

Work practices, hygienic practices: Normal Good housekeeping

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: >32

Specific gravity: 1.1 g/cc

Boiling point or range, °F: >385

Flash point: 130°C

pH: N/A

Solubility in water: soluble

Evaporation rate (): N/A

Vapor pressure, mmHg at 20°C: <2.00 mmHg at 21°C
Appearance and odor: Viscous, cloudy, light brown liquid with ammoniac odor

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: Stable at ambient temperatures.

Incompatibility (materials to avoid): Mineral acids (i.e. sulfuric, phosphoric, etc.) Organic acids, (i.e. acetic acid, citric acid etc.). Oxidizing agents (i.e. perchlorates, nitrates etc.). Sodium or Calcium Hypochlorite. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possible creating and explosion. A reaction accompanied by large heat release occurs when the product is mixed with acids. Heat generated may be sufficient to cause vigorous boiling creating a hazard due to splashing or splattering of hot material.

Hazardous decomposition products (including combustion products): Nitrogen oxide can react with water vapors to form corrosive nitric acid (TLV=2ppm). Carbon Monoxide in a fire. Carbon Dioxide in a fire. Ammonia when heated. Nitrogen Oxides in a fire. Irritating and toxic fumes at elevated temperature. Nitric acid in a fire. The oxides of nitrogen gases (except nitrous oxide) emitted on decomposition are highly toxic.

Hazardous polymerization: _____ May occur __X__ Will not occur

Conditions to avoid:

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

Acute Oral Toxicity (LD50, Rat) >500 mg/kg
Acute Inhalation Toxicity (LC50(1h), Rat) >20 mg/l
Acute Dermal Toxicity (LD50, Rabbit) >2000 mg/kg
Severe eye irritation
Severe skin irritation. May couse sensitization by skin contact. Sensitization has occurred in laboratory animals after repeated exposures.
The product or a component may be mutagenic, the data is inconclusive. Mixed polycycloaliphatic amines was tested in rats for systemic effects in a subchronic (28-day) oral study at doses ranging from 15 to 300 mg/kg/day. Effects seen at 300 mg/kg/day included decreased survival, decreased body weight gain, increased liver, kidney, and adrenal weights and histological changes in the liver, kidney, adrenals and spleen. The No-Observed-Adverse-Effect-Level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in a two-year study with rats and mice.

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

Ecotoxicity effects

Aquatic toxicity : no data is available on the product

Toxicity to fish – Components
Nonylphenol LC50 0.128 mg/l 96 hours Fathead minnow

Toxicity to daphnia – Components
Nonylphenol EC50 0.0848 mg/l 48 hours Daphnia
Nonylphenol EC50 0.19 mg/l 48 hours Daphnia

Toxicity to other organisms
Diethylenetriamine Acute LC50 1.014 mg/l 96 hours Guppy
4,4'-Isopropylidenediphenol Acute LC50 4.6 mg/l 96 hours Fathead minnow

Persistance in degradability

Mobility : no data available

Bioaccumulation : no data is available on the product itself

Bioaccumulation – components

Formaldehyde, polymer with Benzenamine, hydrogenated :Does not bioaccumulate

Nonylphenol : moderate bioaccumulation potential

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

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

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

DOT

Proper shipping name : Amines, liquid, corrosive, n.o.s. (Cycloaliphatic amine, nonylphenol)
Class : 8
UN/ID No. :UN2735
Packing group : III

Corrosive Liquids in Packing Group III in Inner Packaging's not over 5.0 liter (1.3 Gallons) net capacity each for Liquids may be classified as ORM-D

IATA

Proper shipping name : Amines, liquid, corrosive, n.o.s. (Cycloaliphatic amine, nonylphenol)
Class : 8
UN/ID No. :UN2735
Packing group : III

IMDG

Proper shipping name : Amines, liquid, corrosive, n.o.s. (Cycloaliphatic amine, nonylphenol)
Class : 8
UN/ID No. :UN2735
Packing group : III

TDG

Proper shipping name : Amines, liquid, corrosive, n.o.s. (Cycloaliphatic amine, nonylphenol)
Class : 8
UN/ID No. :UN2735
Packing group : III

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

OSHA Hazard Communication Standard (29 DFR 1910, 2300) Hazard Class(es)
Corrosive, Sensitizer.

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

EU EINECS inventory of chemical substances
Canada DSL inventory of chemical substances
Australia AICS inventory of chemical substances
Japan ENCS inventory of chemical substances
South Korea ECL inventory of chemical substances
China SEPA inventory of chemical substances
Philippines PICCS inventory of chemical substances

EPA SARA Title II Section 312 (40 CFR 370) Hazard Classification
Acute Health Hazard Chronic Health Hazard

EPA SARA Title II Section 313 (40 CFR 372) Components(s) above 'de minimus' level
None

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)
This product does not contain any chemicals known to State of California of cause cancer, birth defects or any other harm.

WHMIS Hazard Classification
Toxic Material Causing Other Toxic Effects, Corrosive Material

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

HMIS Rating

Health	: 3
Flammability	: 1
Physical Hazard	: 0

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