

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name LEECURE E-36

Manufacturer Leepoxy Plastics, Inc.
3706 W. Ferguson Road
Fort Wayne, IN 46809

Telephone Number (260) 747-7411

Emergency Telephone Number (260) 625-4508

Date Prepared December 2003

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	Exposure Limits
Proprietary Amine	N/A	Not Established
Nonyl Phenol	104-40-5	Not Established

SECTION 3 – HAZARDS IDENTIFICATION

Eye May cause severe irritation and pain resulting in permanent injury.

Skin May cause severe injury to skin following prolonged or repeated contact.

Ingestion Single dose oral toxicity is moderate. Ingestion may cause gastrointestinal irritation or ulceration.

Inhalation May cause respiratory irritation.

Chronic Effects Not listed as human carcinogen by OSHA, IARC, or NTP.

SECTION 4 – FIRST AID

Eye Hold eyelid open and flush with a large volume of water for at least 15 minutes. If irritation develops, seek medical attention.

Skin Immediately flush with water for as long as 15 minutes. Remove contaminated clothing. If irritation develops, seek medical attention.

Ingestion If ingested, seek medical attention. Do NOT induce vomiting. Administer large amounts of water or milk to dilute product. Never give anything by mouth to an unconscious person.

Inhalation Move to fresh air. If breathing has stopped, perform artificial respiration. Seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point (closed cup)	> 200°F
Flammable Limits	Lower explosion limit: No data Upper explosion limit: No data
Auto ignition temperature	No data
Extinguishing Media	Use water spray, ABC dry chemical, foam or carbon dioxide. Use water to keep fire-exposed containers cool.
Special Fire Fighting Instructions	Firefighters should be equipped with butyl rubber boots, gloves, and body suit and a self-contained breathing apparatus.
Unusual Fire and Explosion Hazards	Above 250°C thermal dealkylation can occur yielding phenol and olefins. This reaction can become rapid at temperatures above 300°C.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures Ventilate the spill area. Construct a dike to contain spreading. Absorb spill with sand or other inert absorbent and place into a disposal container. Flush area with water spray.

SECTION 7 – HANDLING AND STORAGE

Handling Avoid contact with skin and eyes. Process using adequate ventilation. Wash prior to eating, drinking, smoking and when leaving work.

Storage Keep away from strong acids and oxidizers. Store in tightly closed container to prevent moisture contamination. Store in cool, dry area.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Use adequate ventilation.
Eye Protection	Chemical splash goggles.
Skin Protection	Nitrile or other impervious rubber gloves. Long sleeved shirt and trousers.
Respiratory Protection	Not required under normal conditions in a well-ventilated work area.
Additional Protective Measures	Safety showers and eyewash stations should be available. Educate and train employees in the safe use of this product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Low viscosity black liquid
Odor	Irritating
pH	Alkaline
Vapor Pressure (mm Hg)	No Data
Vapor Density (Air = 1)	>1
Boiling Point	>210°C
Melting Point	No Data
Solubility in Water	Slightly soluble
Specific Gravity (Water = 1)	1.0

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability	Stable.
Conditions to Avoid	Do not expose to excessive heat or ignition sources.
Incompatibility	Mineral and organic acids. Oxidizing agents.
Hazardous Decomposition Products	Nitrogen oxides, ammonia gas, carbon dioxide and/or carbon monoxide upon combustion.
Hazardous Polymerization	Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

No data available

SECTION 12 – ECOLOGICAL INFORMATION

No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Waste must be disposed of in accordance with all applicable federal, state and local environmental control regulations.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Non-bulk Shipping Name Amines, liquid, corrosive, n.o.s. (contains epoxy amine), 8, UN 1760, PG III

DOT Bulk Shipping Name Amines, liquid, corrosive, n.o.s. (contains epoxy amine), 8, UN 1760, PG III

ICAO/IATA Shipping Data Amines, liquid, corrosive, n.o.s. (contains epoxy amine), 8, UN 1760, PG III

SECTION 15 – REGULATORY INFORMATION

U.S. Federal Regulations

Toxic Substances Control Act (TSCA)

All components are included in the EPA Toxic Substances Control Act (TSCA)
Chemical Substance Inventory

OSHA Hazard Communication Standard (29 CFR 1910.1200) hazard class (es)
Corrosive

EPA SARA Title III Section 312 (40 CFR 370) hazard class
Immediate Health Hazard/ Chronic Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) toxic chemicals
None

HMIS	Health	Flammability	Reactivity
	3*	1	0

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard, * Chronic Health Hazard

SECTION 16 – OTHER INFORMATION

DISCLAIMER: The information presented herein is based on data considered to be accurate as of the date of the presentation of this Material Safety Data Sheet. However, MSDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.