


Leepoxy Plastics, Inc.

SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier	LEECAST 16-46 A
Issue date	July 2, 2015
Recommended use	Epoxy Encapsulant
Recommended restrictions	No data
Manufacturer information	Leepoxy Plastics, Inc. 3706 W. Ferguson Road Fort Wayne, IN 46809
Emergency telephone number	(260) 625-4508

2. HAZARDS IDENTIFICATION

Hazard risk classification	Skin corrosion/irritation – category 2 Serious eye damage/irritation – category 2A Skin sensitization – category 1
Label information pictogram	
Signal word	Warning
Hazard risk statement	Causes skin irritation Causes serious eye irritation May cause allergic skin reaction Toxic to aquatic life with long lasting effects
Precautionary statement Prevention	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fumes/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.
Precautionary statements Response	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention. Wash contaminated clothing before reuse.
Precautionary statements Storage	Store in a well ventilated place.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Weight %
Bisphenol A/Epichlorohydrin resin	25068-38-6	30 – 70

4. FIRST AID MEASURES

Eye contact	Flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek medical attention.
Skin contact	Immediately remove contaminated clothing or shoes, wash with plenty of water for at least 15 minutes
Inhalation	Move person to fresh air area and provide oxygen if breathing is difficult. Seek medical attention.
Ingestion	Do not induce vomiting because of risk of aspiration. Rinse mouth with water. Consult a physician if effects occur.
Notes to physician	Treat symptomatically.
General advice	Get medical attention if any discomfort develops

5. FIRE FIGHTING MEASURES

Personal precautions, protective equipment	Remove all sources of ignition. Use personal protective equipment.
Suitable extinguishing media	Dry chemical, carbon dioxide, water, foam.
Unsuitable extinguishing media	No data
Specific hazards arising from the chemical	In case of fire, toxic fumes might be formed.
Special protective equipment and precautions for firefighters	Isolate from heat, electrical equipment, sparks and open flames. Firefighters should be equipped with butyl rubber boots, gloves and body suit and a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use protective equipment as required. Avoid skin contact or inhalation
Environmental precautions	Store away from water supply and drainage
Methods for containment	Ventilate the area. Stop leak if you can do so without risk. Dike the spilled material where this is possible.
Release measures	Keep away from open flames, hot surfaces and sources of ignition.
Methods for cleaning up	Small spills: Absorb spillage with non-combustible absorbent material. Large spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Wash area with soap and water.

7. HANDLING AND STORAGE

Precautions for safe handling	Keep in a cool, well-ventilated place and keep container closed.
Conditions for safe storage	Avoid contact with skin and eyes. Use with adequate ventilation. Keep away from heat, flame, spark and high temperature. Store in a cool dry area.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Domestic regulation	No data
ACGIH (TLV)	No data
OSHA (PEL)	No data
NIOSH (REL)	No data

NIOSH (IDLH)	No data
ACGIH	No data
Appropriate engineering controls	Provide adequate ventilation and minimize the risk of inhalation of vapors and mists.
Respiratory protection	Never exceed the national Occupational Exposure Limit. Use local exhaust ventilation or handle in a ventilated area.
Eye protection	Wear safety glasses. If there is a splash risk, wear safety goggles or face shield.
Hand protection	Use chemical resistant gloves.
Skin protection	Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Salmon
Odor	Odorless
Odor threshold	No data
pH	No data
Melting point/freezing point	No data
Initial boiling point and boiling range	≥ 200°C
Flash point	No data
Evaporation rate	No data
Flammability (solid, gas)	No data
Upper/lower flammability	No data
Vapor pressure	< 0.1 mm Hg (25°C)
Solubility	No data
Vapor density	No data
Relative density	1.4
Partition coefficient	No data
Auto-ignition temperature	No data
Viscosity	5,000 cps

10. STABILITY AND REACTIVITY

Chemical stability	Stable at normal conditions
Possibility of hazardous reactions	No data
Conditions to avoid	Excessive heating or ignition sources
Incompatible materials	Mineral and organic acids, amines, bases, oxidizing agents
Hazardous decomposition products	May produce hazardous carbon oxides, chloro hydrogen

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure:	
by respiratory organ	May cause respiratory organ irritation
by mouth	No data
by skin contact	May cause skin irritation
by eye and contact	May cause eye irritation

12. ECOLOGICAL INFORMATION

Product data	No data
Component data	No data
Mobility	No data
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

Disposal methods	Dispose in accordance with all federal, state and local applicable regulations.
Waste from residues unused products	Dispose in accordance with all federal, state and local applicable regulations.
Contaminated packaging	Dispose in accordance with all federal, state and local applicable regulations.

14. TRANSPORT INFORMATION

IATA	Not regulated as dangerous goods.
IMDG/IMO	Not regulated as dangerous goods.
DOT	Not regulated as dangerous goods.

15. REGULATORY INFORMATION

Country	Inventory List	Status
Canada	Domestic Substances List (DSL)	Listed
Europe	European Inventory of Existing Commercial Chemical Substances (EINCES)	Listed
United States	Toxic Substances Control Act (TSCA) Inventory	Listed
Japan	ENCS	Listed
China	IECSD	Listed
Australia	AICS	Listed

SARA 311/312	Information	Status
	Chronic health hazard	None
	Acute health hazard	None
	Fire hazard	None
	Sudden pressure	None
Section 302	Extremely hazardous material	None
CERCLA	Hazardous substance	None
Section 313	Toxic chemicals	None

16. OTHER INFORMATION

HMIS Hazard rating: Health = 1; Fire = 1; Reactivity = 0

Issuing date	July 2, 2015
Revision number	Release
Revision date	N/A

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.


Leepoxy Plastics, Inc.

SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier	LEECAST 16-46 B
Issue date	July 2, 2015
Recommended use	Epoxy Curing agent
Recommended restrictions	No data
Manufacturer information	Leepoxy Plastics, Inc. 3706 W. Ferguson Road Fort Wayne, IN 46809
Emergency telephone number	(260) 625-4508

2. HAZARDS IDENTIFICATION

Hazard risk classification	Eye Irritant – category 1 Skin Irritant – category 2 Skin sensitization – category 1 Chronic aquatic toxicity – category 2
Label information pictogram	
Signal word	Danger
Hazard risk statement	Causes skin irritation May cause an allergic skin reaction Causes serious eye damage Toxic to aquatic life with long lasting effects
Precautionary statement Prevention	Avoid breathing dust/fumes/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash face hands and any exposed skin after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment
Precautionary statements Response	Get medical advice/attention if you feel unwell 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 IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse. IF INHALED: Remove the person to fresh air and keep comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Collect spillage
Precautionary statements Storage	Store in a well ventilated place.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Weight %
Proprietary amine	Trade Secret	25 – 60

4. FIRST AID MEASURES

Eye contact	Flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek medical attention.
Skin contact	Immediately remove contaminated clothing or shoes, wash with plenty of water for at least 15 minutes
Inhalation	Move person to fresh air area and provide oxygen if breathing is difficult. If breathing has stopped, perform artificial respiration. Seek medical attention.
Ingestion	Rinse mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediately call a physician or local poison control center.
Symptoms	Contact may cause irritation and redness. Harmful if swallowed. Causes eye irritation.
Notes to physician	Treat symptomatically.
General advice	Get medical attention if any discomfort develops

5. FIRE FIGHTING MEASURES

Personal precautions, protective equipment	Remove all sources of ignition. Use personal protective equipment.
Suitable extinguishing media	Dry chemical, carbon dioxide, water spray (fog).
Unsuitable extinguishing media	No data
Specific hazards arising from the chemical	In case of fire, irritating vapors, carbon monoxide and/or carbon dioxide may be formed.
Special protective equipment and precautions for firefighters	Isolate from heat, electrical equipment, sparks and open flames. Firefighters should be equipped with butyl rubber boots, gloves, and body suit and a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use protective equipment as required. Avoid skin contact or inhalation
Environmental precautions	Store away from water supply and drainage
Methods for containment	Stop leak if you can do so without risk. Ventilate the spill area. Dike the spilled material where this is possible.
Release measures	Keep away from open flames, hot surfaces and sources of ignition.
Methods for cleaning up	Small spills: Absorb spillage with non-combustible absorbent material. Large spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Wash area with water and soda ash.

7. HANDLING AND STORAGE

Precautions for safe handling	Keep in a cool, well-ventilated place and keep container closed. Mechanical ventilation is recommended. Do not take contaminated clothing out of the workplace.
Conditions for safe storage	Keep containers tightly closed in a dry, cool and well-ventilated place. To maintain quality, keep away from heat. Keep away from direct sunlight.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Appropriate engineering controls	Provide adequate ventilation and minimize the risk of inhalation of vapors and mists.
Respiratory protection	Never exceed the national Occupational Exposure Limit. Use local exhaust ventilation or handle in a ventilated area.
Eye protection	Wear approved safety goggles.
Hand protection	Use chemical resistant gloves.
Skin protection	Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Black
Odor	Amine-like
Odor threshold	No data
pH	No data
Melting point/freezing point	No data
Initial boiling point and boiling range	No data
Flash point	>93°C (>200°F)
Evaporation rate	No data
Flammability (solid, gas)	N/A
Upper/lower flammability	No data
Vapor pressure	< 1 mm Hg (20°C)
Solubility	Negligible to slightly soluble
Vapor density	No data
Specific gravity	1.5
Partition coefficient	No data
Auto-ignition temperature	No data
Viscosity	7,000 – 15,000 cps

10. STABILITY AND REACTIVITY

Chemical stability	Stable at normal conditions
Possibility of hazardous reactions	No data
Hazardous polymerization	Does not occur
Conditions to avoid	Exposure to air
Incompatible materials	Strong acids, Strong oxidizing agents
Hazardous decomposition products	May produce hazardous nitrogen oxides, carbon monoxide, and/or carbon dioxide

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure:	
by respiratory organ	Not an expected route of exposure.
by mouth	Harmful if swallowed.
by skin contact	Causes skin irritation. May cause allergic skin reaction
by eye and contact	May cause serious eye damage
Acute effects	
Skin corrosion/irritation	Causes skin irritation. May cause allergic skin reaction
Serious eye damage/eye irritation	May cause serious eye damage
Respiratory irritation	No data
Sensitization	Sensitization after skin contact possible
Chronic effects	No known chronic effects
Carcinogenicity	Not listed as a carcinogen

12. ECOLOGICAL INFORMATION

Product data	No data
Component data	No data
Persistence/degradability	Not readily biodegradable.
Bioaccumulation/ accumulation	No data
Mobility	No data
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

Disposal methods	Dispose in accordance with all applicable federal state and local regulations.
Waste from residues unused products	Dispose in accordance with all applicable federal state and local regulations.
Contaminated packaging	Dispose in accordance with all applicable federal state and local regulations.

14. TRANSPORT INFORMATION

IATA	Corrosive Liquids, N.O.S. (amine), 8, UN 1760, PG III
IMDG/IMO	Corrosive Liquids, N.O.S. (amine), 8, UN 1760, PG III
DOT	Corrosive Liquids, N.O.S. (amine), 8, UN 1760, PG III

15. REGULATORY INFORMATION

Country	Inventory List	Status
Canada	Domestic Substances List (DSL)	Listed
Europe	European Inventory of Existing Commercial Chemical Substances (EINCES)	Listed
United States	Toxic Substances Control Act (TSCA) Inventory	Listed
Japan	ENCS	Listed
China	IECSD	Listed
Australia	AICS	Listed

SARA 311/312	Information	Status
	Chronic health hazard	No
	Acute health hazard	Yes
	Fire hazard	None
	Sudden pressure	None
Section 302	Extremely hazardous material	None
CERCLA	Hazardous substance	None
Section 313	Toxic chemicals	Immediate health hazard

16. OTHER INFORMATION

HMIS Hazard rating: Health = 3; Fire = 1; Reactivity = 0

Issuing date	July 2, 2015
Revision number	Release
Revision date	N/A

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.