
LEGGARI

VAPOR BARRIER

Part A - Safety Data Sheet

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1 | PRODUCT IDENTIFICATION



TRADE NAME (AS LABELED):

LEGGARI VAPOR BARRIER PART A

SUPPLIER/MANUFACTURER'S NAME:

LEGGARI PRODUCTS, LLC

ADDRESS:

**3105 E AINSWORTH AVE
WAREHOUSE 5, BAY 2
PASCO, WA 99301**

TELEPHONE:

1-844-LEGGARI (534-4274)

EMAIL:

CUSTOMERSERVICE@LEGGARI.COM

2 HAZARD IDENTIFICATION



SKIN CORROSION:	Category 2	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	Category 1
SKIN SENSITIZATION:	Category 1	SPECIFIC TARGET ORGAN TOXICITY:	Category 1
SERIOUS EYE DAMAGE:	Category 2	ACUTE AQUATIC TOXICITY:	Category 2
GERM CELL MUTAGENICITY:	Category 2	CHRONIC AQUATIC TOXICITY:	Category 2
REPRODUCTIVE TOXICITY:	Category 1B		

WARNING

-Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.



PREVENTION

-Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash before reuse.
-Avoid release to the environment. Collect spillage.

RESPONSE:

IF ON SKIN

Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention.

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..

STORAGE

Keep container tightly closed and locked in a cool, well-ventilated place.

DISPOSAL

Dispose of contents/container to an approved waste disposal plant in accordance with applicable laws and regulations, and product characteristics at time of disposal.



THE SPECIFIC CHEMICAL IDENTITY AND/OR EXACT PERCENTAGE (CONCENTRATION) OF A COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET.

- Section 11 for Toxicological Information.

CHEMICAL NAME	CAS NO.	CONCENTRATION (% BY WEIGHT)
Oxirane, 2, 2'-{(methylethylidene) bis(4,1-phenyleneoxymethylene)] bis-,homopolymer	25085-99-8	50% - 60%

**GENERAL ADVICE**

Seek medical advice or medical attention if condition persists.

CONTACT WITH EYES

Rinse immediately with plenty of water for 15 minutes and seek advice of an eye specialist/physician. Continue rinsing eyes during transport to hospital. Do not remove contact lenses if worn.

CONTACT WITH SKIN

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Take victim immediately to hospital to obtain medical attention. Destroy or thoroughly clean contaminated shoes or clothing before reuse.

INHALATION

Move victims into fresh air. If breathing is labored, administer oxygen. If not breathing, give artificial respiration. Consult a doctor immediately.

INGESTION

Rinse out mouth, spit out liquid. Do not induce vomiting and seek medical advice immediately. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN

No specific treatment. Treat symptomatically. Call the poison control center immediately if large quantities have been ingested.



SUITABLE EXTINGUISHING MEDIA

Water fog, foam, dry chemical, carbon dioxide, dry sand

SPECIAL EXPOSURE HAZARDS

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

DANGER OF EXPLOSION

This product does not present an explosion hazard

FLAMMABLE LIMITS

Not available

EXPLOSION LIMITS

Not available

AUTO-IGNITION

Not available

FLASH POINT

>200°C (>392°F) [DIN 51758 EN 22719 (Pensky-Martens Closed Cup)]



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

ENVIRONMENTAL PRECAUTIONS

Water polluting material. May be harmful to the environment if released in large quantities. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform authorities if the product has caused environmental pollution (sewers, drains, waterways, or soil).

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Contaminated absorbent material may pose the same hazard as the spilled product.

See Section 1 for emergency contact information and Section 13 for waste disposal.



PRECAUTIONS FOR SAFE-HANDLING

Put on appropriate personal protective equipment, PPE (see section 8). Eating and drinking should be prohibited in areas where this material is handled, stored and processed. Remove contaminated PPE or clothing, wash hands and face before eating and drinking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Use only in area provided with appropriate exhaust ventilation. Empty containers retain product residue and can be hazardous. Do not get in eyes, skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment.

CONDITIONS FOR SAFE STORAGE

Store between 4 to 26°C (40 to 80°F) in accordance with local regulations away from sources of heat, ignition, and direct sunlight. Store in original container. Keep in a dry, well-ventilated area, and away from incompatible materials (see section 10). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled or unapproved containers. Use appropriate containment to avoid environmental contamination.



•Special note for exposure control: consult local authorities for further acceptable exposure limits.

EXPOSURE GUIDELINES OSHA PEL (TWA):	Not Determined
ACGIH TLV (TWA):	Not Determined
NIOSH REL (TWA):	Not Determined

ENGINEERING MEASURES

No special ventilation requirements. If possible work in ventilated area. Provide natural or explosion-proof fan to ensure adequate ventilation, especially in confined area. Avoid contact with skin, eyes, and clothing.

ENVIRONMENTAL EXPOSURE CONTROLS

Construct a dike to prevent spreading. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

HYGIENE MEASURES

Wash hands, forearms and face thoroughly after handling chemical products, before eating and drinking, smoking or using the lavatory and at the end of the working period. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTION

RESPIRATORY PROTECTION

In case of inadequate ventilation wear VAPOR respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

EYE/FACE PROTECTION

Splash proof safety glasses.

SKIN PROTECTION

Neoprene rubber or plastic apron. Neoprene rubber or plastic gloves. Long sleeved clothing or wear protective sleeves. Remove and wash contaminated clothing before re-use.

OTHER PRECAUTIONS

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Neoprene gloves. PVC disposable gloves. Nitrile rubber. Butyl rubber. Impervious gloves. (The breakthrough time of the selected glove(s) must be greater than the intended use period.)



APPEARANCE:	Liquid
ODOR:	Faint
ODOR THRESHOLD:	No data available
PH:	Neutral
MELTING/FREEZING POINT:	No data available
INITIAL BOILING POINT AND BOILING RANGE:	212° F
FLASH POINT:	No data available
EVAPORATION RATE:	No data available
FLAMMABILITY:	No data available
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	No data available
AUTO-IGNITION TEMPERATURE:	No data available
VAPOR PRESSURE:	19.30 mm Hg at 70° F (21°C)
VAPOR DENSITY:	No data available
RELATIVE DENSITY/SPECIFIC GRAVITY:	No data available
SOLUBILITY(IES)	Insoluble
PARTITION COEFFICIENT: N-OCTANOL/WATER	No data available
AUTO-IGNITION TEMPERATURE	No data available
DECOMPOSITION TEMPERATURE	No data available
VISCOSITY	No data available
VOC (VOLATILE ORGANIC COMPOUNDS)	<1 g/L

**CHEMICAL STABILITY:**

Stable under recommended storage conditions. Hazardous reactions will not occur

CONDITIONS TO BE AVOIDED:

No specific data.

SUBSTANCES TO BE AVOIDED:

Strong acids, strong bases, strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions hazardous decomposition products should not be produced.

HAZARDOUS POLYMERIZATION:

Under normal conditions hazardous polymerization will not occur.



TOXICITY STUDIES

Bisphenol A-(epichlorhydrin), Bisphenol A epoxy resin

ACUTE ORAL TOXICITY

Low toxicity, LD50 >2000 mg/kg.

ACUTE DERMAL TOXICITY

Low toxicity, LD50 >2000 mg/kg.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE

Pre-existing skin disorders may be aggravated by over-exposure to this product.

POTENTIAL CHRONIC HEALTH EFFECTS

CHRONIC EFFECTS:	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Target Organs: No known significant effects or critical hazards.
TARGET ORGANS:	No known significant effects or critical hazards.
CARCINOGENICITY:	No known significant effects or critical hazards.
MUTAGENICITY:	No known significant effects or critical hazards.
TERATOGENICITY:	No known significant effects or critical hazards.
DEVELOPMENTAL EFFECTS:	No known significant effects or critical hazards.
FERTILITY EFFECTS:	No known significant effects or critical hazards.

**ENVIRONMENTAL EFFECTS:**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product shows a high bioaccumulation potential. Water polluting material. May be harmful to the environment if released in large quantities.

BIODEGRADABILITY STUDIES:

Bisphenol A-(epichlorhydrin), Bisphenol A epoxy resin.

TEST	RESULT	DOSE	INOCULUM
OECD Derived from OECD 301F (Biodegradation Test)	5%-Not Readily 28 days	20 mg/L Oxygen consumption	No Data



- Waste should be disposed of according to local, state, and federal regulations.
- The generation of waste should be avoided or minimized wherever possible. Empty containers should be taken to an approved waste handling site for recycling or disposal. Incineration or landfill should only be considered when recycling is not feasible. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Refer to 40 CFR § 261.7 (residues of hazardous waste in empty containers).
- Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



WARNING

	UN Number	UN Proper Shipping Name	Transport Hazard Class(es)	Packing Group	Environmental Hazards
DOT	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
IMO/IMDG	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
IATA/CAO	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated

- Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code



COUNTRY	REGULATORY LIST	NOTIFICATION
USA	TSCA	Included on Inventory
EU	EINECS	Included on Inventory
Canada	DSL	Included on Inventory
China	SEPA	Included on Inventory
Japan	ENCS	Included on Inventory

OSHA - This product is considered to be a hazardous chemical under 29 CFR 1910.1200.

OSHA / HCS Classification - Irritating material, Sensitizing material.

SARA 302/304/311/312 extremely hazardous substances - No ingredients listed.

SARA 311/312 Hazard Identification - No ingredients listed.

SARA 313 - No ingredients listed.

California Safe Drinking Water & Toxic Enforcement Act (Proposition 65) - **WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer. This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

INGREDIENT NAME	CANCER	REPRODUCTIVE	NO SIGNIFICANT RISK LEVEL	MAXIMUM ACCEPTABLE DOSAGE LEVEL
1-chloro-2,3-epoxypropane CAS: 106-89-8	Yes	Yes.	Yes.	No.

CANADA WHMIS - Class D2b: Material causing other toxic effects.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contain all the information required by the Controlled Products Regulations.



HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS):

SCALE 0-4

- 4 Severe Hazard
- 3 Serious Hazard
- 2 Moderate Hazard
- 1 Slight Hazard
- 0 Minimal hazard

	NPFA	HMIS
HEALTH	2	2
FLAMMABILITY	1	1
REACTIVITY	0	0

Prepared by:

LEGGARI PRODUCTS LLC

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DISCLAIMER:

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