

SECTION 1: PRODUCT IDENTIFICATION

Product Name: E-100 Plus, Part A
Synonyms:
Product Number: Half Gallon: 50-E100P-2QA
 Two Gallon: 50-E100P-2GA
 Five Gallon: 50-E100P-5GA
Company: Durável
Address: P.O. Box 1141, Davidson NC 28036
Business Phone: (704) 837-7991
Emergency Phone: Chemtrec US (800) 424-9300 CNN 874540
Date of Current Revision: August 10, 2020

SECTION 2: HAZARD IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity – Oral	Category 4
Acute toxicity – Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Hazardous to the Aquatic Environment – Long Term (Chronic) Hazard Category 2	

EMERGENCY OVERVIEW: This product is a colorless to yellowish liquid.

WARNING

Hazard Statements

- H312: Harmful in contact with skin
- H317: May cause an allergic skin reaction
- H412: Harmful to aquatic life with long lasting effects



Appearance: Colorless to yellowish

Physical State: Liquid

Odor: Slight

Precautionary Statements – Prevention

- P264: Wash hands thoroughly after handling
- P270: Do not eat, drink or smoke when using this product
- P271: Use only in well ventilated area.
- P273: Avoid release to the environment
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P370+P378: In case of fire: Use for extinction: CO2, powder or water spray.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P391: Collect spillage.
- P403+P235: Store in a well-ventilated place. Keep cool.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulations

Other Hazards

- PBT: Not applicable
- vPvB: Not applicable

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight - %	Trade Secret
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	25068-38-6	60 - 100	*
2,2'-[(2,2-Dimethyl-1,3-propanediyl)bis(oxyethylene)]bisoxirane	17557-23-2	10 – 30	*
Nonylphenol	25154-52-3	1 - 15	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Additional information: Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

SECTION 4: FIRST-AID MEASURES

Description of First Aid Measures

General Advice

Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.

Eye Contact

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.

Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

IF SWALLOWED: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

Most important symptoms and effects, both acute and delayed**Symptoms**

Acute: This material may cause irritation to skin and eyes. Product may cause an allergic skin reaction. **Chronic:** Prolonged or repeated skin contact may cause allergic skin reaction or dermatitis.

Target Organs:

Acute: Eye, Skin

Chronic: Skin

Hazards: Pre-existing skin or eye problems may be aggravated by exposure to this product.

Indication of any immediate medical attention and special treatment needed**Note to Physicians**

Treat symptomatically. For additional information, see Safety Data Sheet.

SECTION 5: FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Dry Chemical, Alcohol Resistant Foam, Halon or Carbon Dioxide

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

In a fire or if heated a pressure increase may occur and the container may burst.

Hazardous combustion products

Carbon dioxide (CO₂). Carbon monoxide.

Explosion Data

Sensitivity to Mechanical Impact

Not available

Sensitivity to Static Discharge

May be ignited by friction, heat, sparks or flames.

Protective equipment and precautions for firefighters

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Use personal protective equipment as required. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Wear protective gloves/protective clothing and eye/face protection.

Environmental Precautions

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

Methods for cleaning up

Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material. Dispose according to local regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice for safe handling

As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat. Keep from freezing. Store product above 50 degrees F/10 degrees C and below 95 degrees F/35 degrees C.

Incompatible Materials Keep away from strong oxidizing agents, strong alkalis, and strong acids.

SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION

Additional information about design of technical facilities:
Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

Control Parameters
Ingredients with limit values that require monitoring at the workplace:
Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

Exposure Controls
Personal protective equipment:
General protective and hygienic measures:
The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:
Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Slight
Appearance	Colorless to yellowish	Odor Threshold	No data available

Conditions to avoid

Contact with incompatible materials

Incompatible materials

Oxidizing agents and amines should be avoided as these will cause exothermic polymerization. Avoid extreme heat.

Hazardous Decomposition Products

Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects: Toxicity data is available for this product.

Acute Toxicity

Acute Dermal	LD 50	> 20,000 mg/kg	Rabbit
Acute Oral	LD 50	> 5,000 mg/kg	Rat

Primary irritant effect: Contact with this product can be irritating to exposed skin and eyes.

Sensitization: This product is considered a skin sensitizer.

Additional toxicological information: None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.

Reproductive toxicity information: No information concerning the effects of this product and its components on the human reproduction system.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No evidence is currently available on this product's effects on aquatic life.

Component Data: CAS# 25085-99-8
 Fathead Minnow LC50 3 mg/l 96 h
 Toxicity to daphnia magna EC50 1.4 -1.7 mg/l 24 h
 Bacteria: IC50 >42.6 mg/l 18 h
 Biodegradation: 28 days 12% OECD
 Bioaccumulation: Not readily biodegradable

Persistence and degradability: No data available

Bio accumulative potential: No data available

Mobility in soil: No evidence is currently available on this product’s effects on plants or animals.

Ecotoxicological effects:

Remark:

Additional ecological information: No data available

General notes: No specific data is available for this product; however this product is expected to be readily biodegradable

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Dispose of in accordance with federal, state and local regulations

SECTION 14: TRANSPORTATION INFORMATION

<u>DOT</u>	Not regulated
Marine pollutant	Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

<u>IATA</u>	
UN/ID no.	3082
Proper shipping name	Environmentally Hazardous Substance liquid, N.O.S. (Bisphenol A epoxy resin)
Hazard Class	9
Packing Group	III

<u>IMDG</u>	
UN/ID no.	3082
Proper shipping name	Environmentally Hazardous Substance liquid, N.O.S. (Bisphenol A epoxy resin)
Hazard Class	9
Packing Group	III

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture. United States (USA)

SARA: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.: None

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Toxic Release Inventory): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer: Epichlorohydrin

This product can expose you to chemicals, including Epichlorohydrin, which is known to the State of California to cause cancer, and Epichlorohydrin, which is known to the State of California to cause birth defects or other reproductive harm.

Canada

Canadian Domestic Substances List (DSL): All ingredients are listed

Canadian Ingredient Disclosure list (limit 0.1%): None of the ingredients are listed.

Canadian Ingredient Disclosure list (limit 1%): None of the ingredients are listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

NFPA	Health hazards 2	Flammability 1	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 2	Flammability 1	Physical hazards 0	Personal Protection X
Issue Date	August 3, 2020			
Revision Date	Not applicable			
Revision Note	None			

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Durável assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Durável assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety precautions are followed.

END OF SAFETY DATA SHEET