

Safety Data Sheet
Thermo-Fill HT- Part A

Section 1 Product and Company Identification

Product Name: Thermo-Fill HT Part A
Supplier: NRI 3875 Fiscal Court, Ste #100 Riviera Beach, FL 33404. 561-683-6992
Contact information for Canada: Aluma Systems - Industrial Services 240 Tecumseh Street Sarnia, ON N7T 2K9
Emergency Phone Number: 800-535-5053 (US and Canada)
Product Description: Epoxy solution
Product Use: Intended to repair pipes.
Chemical Name or Synonym: N/A

Section 2 Hazards Identification

2.1 Classification of the substance or mixture:

Skin corrosion/irritation – Category 2
 Serious eye damage/eye irritation – Category 2
 Skin sensitization - Category 1
 Chronic Aquatic Toxicity – Category 2

2.2 Label Elements:



Signal Word: Warning

Hazard Statements:

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H411 Toxic to aquatic life with long lasting effects

Precautionary Statement:

P362 - Take off contaminated clothing and wash before reuse
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
 P273 - Avoid release to the environment
 P391 - Collect spillage

Section 3 Composition/ Information on Ingredients

3.2 Mixtures

Chemical Name	CAS-No	Weight %
Phenol-formaldehyde polymer, glycidyl ether	28064-14-4	60 – 70

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Bisphenol A / Epichlorohydrin polymer	25068-38-6	10-35
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For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4 First Aid Measures

4.1 Description of first aid measures

General Advice: If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Remove material from skin immediately In the case of skin irritation or allergic reactions see a physician.

Ingestion Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Protection of First-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing

4.2 Most important symptoms/effects, acute and delayed:

Most Important Symptoms/Effects: Hives. Itching. Rashes. Eye irritation/reactions. Skin irritation

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician: May cause sensitization of susceptible persons. Treat symptomatically

Section 5 Fire Fighting Measures

5.1 Extinguishing Media:

Suitable Extinguishing Media: Water fog. Carbon dioxide (CO 2). Foam. Dry chemical.

Unsuitable Extinguishing Media: No information available.

5.2 Special Hazard Arising from the Substance or Mixture:

Special exposure hazards arising from the substance or preparation itself, combustion

products, resulting gases: May cause sensitization by skin contact. Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides

5.3 Advice for fire fighters: As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Avoid contact with skin, eyes and clothing. Use personal protective equipment. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

6.2 Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water.

6.4 Reference to other sections: See Section 12 for additional information.

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Section 7 Handling and Storage

7.1 Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not take internally.

Hygiene Measures: When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing. Wash thoroughly after handling.

7.2 Conditions for safe storage including any incompatibilities: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers.

Specific end use(s):

Exposure Scenario: No information available.

Other Guidelines: No information available

Section 8 Exposure Controls / Personal Protection

8.1 Control Parameters

Exposure Limits: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level: No information available

Predicted No Effect Concentration (PNEC): No information available

8.2 Exposure Controls

8.2.1 Engineering Measures: Ensure adequate ventilation, especially in confined areas.

8.2.2 Personal protective equipment:

Eye Protection: Safety glasses with side-shields. Risk of contact: Tightly fitting safety goggles.

Skin and Body Protection: Impervious clothing.

Hand Protection: Impervious gloves.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Environmental Exposure Controls: Do not allow material to contaminate ground water system.

Section 9 Physical and Chemical Properties

a) Physical Appearance:	Black Paste	
b) Odor:	No information available	
c) Odor Threshold:	No data available	
d) pH:	No data available	
e) Melting Point /freezing point:	No data available	
f) Initial boiling point and boiling range:	No data available	
g) Flash Point:	No data available	
h) Evaporation rate (ether=1):	No data available	
i) Flammability (solid, gas):	No data available	
j) Upper/lower flammability or explosive Limits:	Lower: N/A	Upper: N/A
k) Vapor Pressure:	No data available	
l) Vapor Density	No data available	
m) Relative Density	No data available	

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n) Solubility:	No data available
o) Partition coefficient (n-octanol/water):	No data available
p) Auto-ignition Temperature:	No data available
q) Decomposition Temperature:	No data available
r) Viscosity:	160,000 – 200,000 cP
s) Explosive Properties:	No information available
t) Oxidizing Properties:	No information available

Section 10 Stability and Reactivity

10.1 Reactivity: Not data available

10.2 Chemical Stability: Stable under standard normal conditions.

10.3 Possibility of Hazardous reactions: None under normal processing.

10.4 Conditions to Avoid: To avoid thermal decomposition, do not overheat. Incompatible products.

10.5 Incompatible Materials / Chemicals: Acids. Bases. Amines. Strong oxidizing agents.

10.6 Hazardous Decomposition Products: Phenols. Carbon monoxide (CO), carbon dioxide (CO₂).

Section 11 Toxicological Information

11.1 Information on Toxicological Effects

Acute Toxicity

Product Information

Inhalation: No known effect.

Eye Contact: Irritating to eyes. Causes serious eye irritation.

Skin Contact: Irritating to skin. Causes skin irritation. May cause allergic skin reaction

Ingestion: May be harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bisphenol A – Epichlorohydrin polymer	11,400 mg/kg (rat)	-	-

Sensitization: May cause sensitization of susceptible persons. May cause sensitization by skin contact.

Mutagenic Effects: No information available.

Carcinogenic Effects: No information available.

Reproductive Toxicity: No information available.

Developmental Toxicity: No information available.

STOT - single exposure: No information available.

STOT - repeated exposure: No information available.

Target Organ Effects: Eyes. Respiratory system.

Aspiration Hazard: No information available.

Section 12 Ecological Information

12.1 Toxicity

Ecotoxicity Effects: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability: No information available

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12.3 Bioaccumulative potential: No information available

12.4 Mobility in soil: Absorbs on soil

12.5 Results of PBT and vPvB assessment: No information available

12.6 Other adverse effects:

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors Evaluated Substances	Japan - Endocrine Disruptor Information
Bisphenol A – Epichlorohydrin polymer	Group III Chemical	-	-

Section 13 Disposal Considerations

13.1 Waste treatment methods: Dispose of in accordance with local regulations

Uncleaned packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Information According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14 Transport Information

DOT

UN-Number: UN3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Hazard Class: 9

Packing Group: III

IMDG/IMO

UN-Number: UN3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Hazard Class: 9

Packing Group: III

RID

UN-Number: UN3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Hazard Class: 9

Packing Group: III

ADR

UN-Number: UN3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Hazard Class: 9

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Packing Group: III

ICAO

UN-Number: UN3082

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.

Hazard Class: 9

Packing Group: III

IATA

UN-Number: UN3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Hazard Class: 9

Packing Group: III

ERG Code: 9L

Section 15 Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
International Inventories:

TSCA	EINECS/ELI NCS	DSL/NDL	PICCS	ENCS	IECSC	AICS	KECL
-	-	-	-	-	-	-	-

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

Chemical Safety Assessment: No information available

Section 16 Other Information

Full text of R-phrases referred to under Sections 2 and 3:

R43 - May cause sensitization by skin contact

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R36/38 - Irritating to eyes and skin

Full text of H-Statements referred to under sections 2 and 3:

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction



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H411 - Toxic to aquatic life with long lasting effects

Key literature references and sources for data: www.ChemADVISOR.com/

Key Legend Information:

N/A – Not Applicable

ND – Not Determined

OSHA – Occupational Safety and Health Administration

NIOSH – National Institute for Occupational Safety and Health

The information contained herein is based on the data available to us and is believed to be accurate. The data is offered in good faith as typical values and not as product specification. The information in this data sheet was compiled from information supplied by the vendors of the components of this compound. NRI makes no warranty either expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The recommended industrial hygiene and safe handling procedures are believed to be genuinely applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. NRI assumes no responsibility for injury from the use of the product described herein. The information is intended only to assist in the safe handling of this material.

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