

**Safety Data Sheet**  
**Thermo-Fill HT- Part A**

Original Release Date: 05/12/2015

**Section 1 Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** Thermo-Fill HT-Part A

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Recommended use:** Intended to repair pipes

**Uses advised against:** No information available

**1.3. Details of the supplier of the safety data sheet**

**Supplier:** NRI  
3875 Fiscal Court Suite #100  
Riviera Beach, FL 33404. USA.  
1- 561 - 683 - 6992  
**E-mail address:** europe@neptunerresearch.com

**1.4. Emergency telephone number**

**Emergency telephone number:** +48 33 488 12 85 (only available during office hours)

**Section 2 Hazards Identification**

**2.1 Classification of the substance or mixture:**

**2.1.1 Regulation (EC) No 1272/2008**

Skin corrosion/irritation – Category 2

Serious eye damage/eye irritation – Category 2

Skin sensitization - Category 1

Chronic Aquatic Toxicity – Category 2

**Physical hazards:** None

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

**Symbol(s):** Xn - Harmful

N - Dangerous for the environment

**R-code(s):** Xn;R20/22 - Xi;R36/38 - R43 - N;R51/53

*For the full text of the R-phrases mentioned in this Section, see Section 16*

**2.2 Label Elements:**

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**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	EC-No	CAS-No	Weight %	Classification	EU – GHS Substance Classification	REACH No.
Trade Secret	Not Listed	-	60 – 70	Xi;R36/38 R43 N;R51/53	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	No data available
Bisphenol A - Epichlorohydrin polymer	500-033-5	25068-38-6	10-35	Xi; R36/38 R43 N; R51-53	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	No data available

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					Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	
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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<sub>2</sub>). 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.

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**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.

### 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) <b>Physical Appearance:</b>                     | Black Paste              |
| b) <b>Odor:</b>                                    | No information available |
| c) <b>Odor Threshold:</b>                          | No data available        |
| d) <b>pH:</b>                                      | No data available        |
| e) <b>Melting Point /freezing point:</b>           | No data available        |
| f) <b>Initial boiling point and boiling range:</b> | No data available        |
| g) <b>Flash Point:</b>                             | No data available        |

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h) <b>Evaporation rate (ether=1):</b>	No data available		
i) <b>Flammability (solid, gas):</b>	No data available		
<b>j) Upper/lower flammability or explosive Limits:</b>	<b>Lower:</b>	N/A	<b>Upper:</b> N/A
k) <b>Vapor Pressure:</b>	No data available		
l) <b>Vapor Density:</b>	No data available		
m) <b>Relative Density:</b>	No data available		
n) <b>Solubility:</b>	No data available		
o) <b>Partition coefficient (n-octanol/water):</b>	No data available		
p) <b>Auto-ignition Temperature:</b>	No data available		
q) <b>Decomposition Temperature:</b>	No data available		
r) <b>Viscosity:</b>	160,000 – 200,000 cP		
s) <b>Explosive Properties:</b>	No information available		
t) <b>Oxidizing Properties:</b>	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 (CO<sub>2</sub>).

**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)	-	-

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**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

**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



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**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

**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/NDSL	PICCS	ENCS	IECSC	AICS	KECL
-	-	-	-	-	-	-	-

**Legend**

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

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

**DSL/NDSL** - 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

H411 - Toxic to aquatic life with long lasting effects

**Key literature references and sources for data:** [www.ChemADVISOR.com/](http://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

**This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006.**

**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**





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**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.**

**Rev05** Revision Date 01/10/2018 Aligned Section Headings and Sub headings to match regulatory requirement. Added Original Release Date.