



84168-3032

**SAFETY DATA SHEET: Page 1****1. Identification**

Product Identifier: **Enviroset 30 Minute Glue Hardener**  
 Product Code(s): 7511920  
 Use: Component for Mold Making and Casting. For Industrial/Professional use only.  
 Manufacturer: Polytek Development Corp.  
 55 Hilton Street, Easton, PA 18042  
 Phone Number: 269-488-4000 (8 a.m. to 4 p.m. EST)  
 Emergency Phone: CHEMTREC 800-424-9300 or +1 703-527-3887  
 E-mail: sds@polytek.com

**2. Hazards Identification****GHS Classification:**

Acute Toxicity (Oral) – Category 4  
 Acute Toxicity (Dermal) – Category 4  
 Acute Toxicity (Inhalation) – Category 2  
 Skin Corrosion – Category 1  
 Serious Eye Damage – Category 1  
 Skin Sensitization – Category 1  
 Reproductive Toxin – Category 2  
 Specific Target Organ Toxicity – Single Exposure Category 3

Label Elements: Danger

**Hazard Phrases**

H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H330 Fatal if inhaled.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H361 Suspected of damaging fertility or the unborn child.

**Precautionary Phrases**

P203 Obtain, read, and follow all safety instructions before use.  
 P260 Do not breathe fumes, vapors, or mists.  
 P264 Wash thoroughly after handling.  
 P270 Do not eat, drink, or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P272 Contaminated clothing should not be allowed out of the workplace.  
 P280 Wear protective gloves, protective clothing, eye protection and face protection.  
 P284 In case of inadequate ventilation, wear respiratory protection.  
 P301+P317 IF SWALLOWED: Get medical help.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P316 Get emergency medical help immediately.  
 P317 Get medical help.  
 P318 IF exposed or concerned, get medical advice.  
 P319 Get medical help if you feel unwell.  
 P330 Rinse mouth.

P333+P317 If skin irritation or rash occurs: Get medical help.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P363 Wash contaminated clothing before reuse.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents and container in accordance with local, regional, and national regulations.

**Supplemental Information:** This material is intended for hand-mix and pour applications. When used in its intended purpose, this material is toxic if inhaled. This material should not be used in spray applications or heated. If sprayed or heated, this material is fatal if inhaled. This is one part of a two-part system. Read and understand the hazard information on the resin before use.

**3. Composition/Information on Ingredients**

Chemical Name	CAS #	%
Phenol, 4-nonyl, branched	84852-15-3	70-80
Diethylenetriamine reaction products with ethylene oxide	Proprietary	20-30
2-Piperazin-1-ylethylamine	140-31-8	0-5

Exact concentrations are withheld as trade secret. Other ingredients are not listed because they are either not hazardous or are below cut-off/concentration thresholds.

**4. First-Aid Measures**

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Skin Contact:** Wash contaminated clothing before reuse. Rinse skin thoroughly with lukewarm water for at least 15 minutes. Get medical attention immediately.

**Inhalation:** If inhaled, remove to fresh air. For breathing difficulties, oxygen may be necessary. Get medical attention immediately.

**Ingestion:** Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get medical attention immediately.

**Most Important Symptoms/Effects:** Fatal if inhaled. Harmful if swallowed and in contact with skin.

**Indication of Immediate Medical Attention/Special Treatment:** Get immediate medical attention if swallowed, on skin, in eyes, or inhaled.

**5. Fire-Fighting Measures**

**Extinguishing Media:** Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or eruption.

**Specific Hazards:** Not classified as flammable or combustible. Product will burn under fire conditions.

**Special Protective Equipment & Precautions for Fire-Fighters:** Wear positive pressure, self-contained breathing apparatus, and full-body protective clothing. Cool fire-exposed containers with water.

**6. Accidental Release Measures****Personal Precautions, Protective Equipment and Emergency**

**Procedures:** Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing fumes or vapors.

**Methods and Materials for Containment and Cleanup:** Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment.

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**7. Handling and Storage**

**Safe Handling:** Do not handle until all safety precautions have been read and understood. Do not breathe fume, vapor, or mist. Do not get this material in your eyes, on your skin, or on your clothing. Avoid contact during pregnancy/while nursing. Provide adequate ventilation. Use personal protective equipment as required. Wash contaminated clothing before reuse. When using, do not eat, drink, or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Avoid prolonged exposure. Keep out of reach of children.

**Safe Storage:** Keep out of reach of children. Store locked up. Store in tightly closed original container in a dry, cool, and well-ventilated place. Store away from incompatible materials.

**8. Exposure Controls/Personal Protection**

**Occupational Exposure Limits:** None established.

**Ventilation:** Use with adequate general or local exhaust ventilation to minimize exposure levels.

**Respiratory Protection:** If ventilation is inadequate, use a properly fitted, NIOSH-approved, air-purifying respirator with organic vapor cartridges. For higher exposures or in an emergency, use a supplied-air respirator. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).

**Skin Protection:** Wear impervious gloves, such as butyl rubber or nitrile rubber.

**Eye Protection:** Wear chemical safety glasses or goggles.

**Other Protective Measures:** An eye wash facility and washing facility should be available in the work area. Avoid skin contact. Follow good Industrial Hygiene practices.

**9. Physical and Chemical Properties**

**Appearance:** Liquid, clear

**Odor:** Minimal, not distinct.

**Odor Threshold:** No data available

**pH:** No data available

**Melting Point:** No data available

**Boiling Point:** 400°F (204.44°C)

**Flash Point:** 200°F (93.3°C)

**Evap. Rate:** No data available

**Flamm. Limits:** No data available

**Vapor Pressure:** > 1

**Vapor Density:** No data available

**Relative Density:** No data available

**Solubility:** Slightly soluble

**Partition Coefficient: n-octanol/Water:** No data available

**Auto-Ignition Temp:** No data available

**Decomposition Temp:** No data available

**Viscosity:** No data available

**10. Stability and Reactivity**

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under recommended conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur.

**Conditions to Avoid:** Avoid temperatures exceeding the flash point. Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Avoid incompatible materials and intense heat.

**Incompatible Materials:** Avoid acids and strong oxidizing agents

**Hazardous Decomposition Products:** None expected under normal conditions of use.

**11. Toxicological Information**

**Eye Contact:** Causes serious eye damage.

**Skin Contact:** Harmful in contact with skin. Causes skin burns and eye damage. May cause allergic reaction to skin.

**Inhalation:** Fatal if inhaled. May cause respiratory irritation.

**Ingestion:** Harmful if swallowed.

**Chronic Health Effects:** May cause allergic skin reaction.

**Acute Toxicity Values:** For Nonyl Phenol (CAS 84852-15-3):

Oral LD<sub>50</sub> (rat): 1,246 mg/kg

For Diethylenetriamine Compound:

Oral LD<sub>50</sub> (rat): 1,080 mg/kg

Dermal LD<sub>50</sub> (rabbit): 1,090 mg/kg

Inhalation LC<sub>50</sub> (rat): 0.30 mg/L, 4 hour

For Amino Piperazine Compound:

Dermal LD<sub>50</sub> (rabbit): 880 mg/kg

**Respiratory Sensitization:** Components are not classified as respiratory sensitizers.

**Skin Sensitization:** May cause and allergic skin reaction.

**Germ Cell Mutagenicity:** Components are not classified as mutagens.

**Carcinogenicity:** Components are not classified as carcinogens.

**Reproductive Toxicity:** Suspected of damaging fertility or the unborn child.

**Specific Target Organ Toxicity:** May cause respiratory irritation, drowsiness or dizziness.

**12. Ecological Information**

**Ecotoxicity:** No data available. Avoid release to the environment.

**Persistence and Degradability:** Not readily biodegradable.

**Bioaccumulative Potential:** Low potential for bioaccumulation.

**Mobility in Soil:** No data available.

**13. Disposal Considerations**

Minimize waste generation. Dispose of with a licensed waste disposal contractor. Do not dispose of down the drain. Dispose according to local, state, and federal regulations.

**14. Transport Information**

**DOT:** UN1760, Corrosive liquids, n.o.s (nonyl phenol, n-aminoethylpiperazine), 8, III. LTD QTY if shipped in quantities of 5L (1.32gal) or less.

**IMDG & IATA:** UN1760, Corrosive liquids, n.o.s (nonyl phenol, n-aminoethylpiperazine), 8, III, MARINE POLLUTANT.

**Emergency Shipping Information:** Call CHEMTREC, 800-424-9300 or +1-703-527-3887.

**15. Regulatory Information**

**U.S. FEDERAL REGULATIONS:**

**CERCLA 103 Reportable Quantity:** This product is not subject to these reporting requirements. Some states have more strict reporting requirements.

**SARA TITLE III Section 311/312:** Acute/Chronic Health

**Section 313 Toxic Chemicals:** This product contains chemicals subject to SARA Title III Section 313 Reporting requirements:

Phenol, 4-nonyl, branched 70-80%

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** Components in this product are listed on TSCA.

**STATE REGULATIONS:**

**California Proposition 65:** This product does not contain chemicals known to the State of California to cause cancer and/or reproductive harm. [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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**SAFETY DATA SHEET: Page 3****16. Other Information**

**Training Advice:** All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

**Recommended Uses and Restrictions:** This product is intended for industrial/professional use only.

**SDS Revision Notes:** GHS Format: July 28, 2023

**Disclaimer:** The information contained herein is considered accurate; however, Polytek® Development Corp. makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.



## SAFETY DATA SHEET: Page 1

**1. Identification**

Product Identifier: **Enviroset 30 Minute Glue Resin**  
 Use: Component for Mold Making and Casting. For Industrial/Professional use only.  
 Manufacturer: Polytek Development Corp.  
 55 Hilton Street, Easton, PA 18042  
 Phone Number: 269-488-4000 (8am to 4pm EST)  
 Emergency Phone: CHEMTREC 800-424-9300 or +1 703-527-3887  
 E-mail: sds@polytek.com

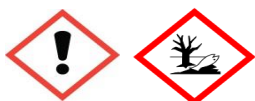
**2. Hazards Identification****GHS Classification:**

Skin Irritation – Category 2

Eye Irritation – Category 2A

Skin Sensitization – Category 1

Hazardous to the Environment – Chronic Hazard Category 2

**Label Elements:** Warning**Hazard Phrases**

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 Phrases**

P260 Avoid breathing fumes, mists, or vapors.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P317 If skin irritation or rash occurs: Get medical help.

P337+P317 If eye irritation persists: Get medical help.

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

P501 Dispose of contents and container in accordance with local, regional, and national regulations.

**Supplemental Information:** This is one part of a two-part system. Read and understand the hazard information on the hardener before use.**3. Composition/Information on Ingredients**

Chemical Name	CAS #	%
Epoxy Resin	25068-38-6	90-100
Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentration limits.		

**4. First-Aid Measures****Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.**Skin Contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.**Inhalation:** Move to fresh air. Call a physician if symptoms develop or persist. Get medical attention if any discomfort continues.**Ingestion:** Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention if symptoms occur.**Most Important Symptoms/Effects:** Causes skin irritation and serious eye irritation. May cause an allergic skin reaction.**Indication of Immediate Medical Attention/Special Treatment:** If in eyes, immediately flush with water.**5. Fire-Fighting Measures****Extinguishing Media:** Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or eruption.**Specific Hazards:** Not classified as flammable or combustible. Product will burn under fire conditions.**Special Protective Equipment & Precautions for Fire-Fighters:** Wear positive pressure, self-contained breathing apparatus, and full-body protective clothing. Cool fire-exposed containers with water.**6. Accidental Release Measures****Personal Precautions, Protective Equipment and Emergency****Procedures:** Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing fumes or vapors.**Methods and Materials for Containment and Cleanup:** Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment.**7. Handling and Storage****Safe Handling:** Keep out of reach of children. Avoid breathing fumes, vapors, or mists. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.**Safe Storage:** Store away from incompatible materials. Store in a tightly closed original container in a dry, cool, and well-ventilated place. Read and follow manufacturer's recommendations.**8. Exposure Controls/Personal Protection****Occupational Exposure Limits:** None established.**Ventilation:** Use with adequate general or local exhaust ventilation to minimize exposure levels.**Respiratory Protection:** If ventilation is inadequate, use a properly fitted, NIOSH-approved, air-purifying respirator with organic vapor cartridges. For higher exposures or in an emergency, use a supplied-air respirator. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).**Skin Protection:** Wear impervious gloves, such as butyl rubber or nitrile rubber.**Eye Protection:** Wear chemical safety glasses or goggles.**Other Protective Measures:** An eye wash facility and washing facility should be available in the work area. Avoid skin contact. Follow good Industrial Hygiene practices.**9. Physical and Chemical Properties****Appearance:** Liquid, clear**Odor:** Epoxy**Odor Threshold:** Minimal. Not distinct.**pH:** No data available**Melting Point:** No data available**Boiling Point:** No data available**Flash Point:** >205°F**Evap. Rate:** No data available**Flamm. Limits:** No data available**Vapor Pressure:** No data available**Vapor Density:** No data available**Relative Density:** 1.16 @ 20°C**Solubility:** No data available

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## SAFETY DATA SHEET: Page 2

**Partition Coefficient: n-octanol/Water:** No data available  
**Auto-Ignition Temp:** No data available  
**Decomposition Temp:** No data available  
**Viscosity:** 11,000-14,000 cps

## 10. Stability and Reactivity

**Reactivity:** Not normally reactive.  
**Chemical Stability:** Stable under recommended conditions.  
**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur.  
**Conditions to Avoid:** Contact with incompatible materials. High temperatures. Heating this resin above 300°F in the present of air may cause slow oxidative decomposition.  
**Incompatible Materials:** Strong oxidizing agents. Reacts violently with strong acids. Reacts violently with strong bases. Avoid contact with water and liquids. Do not allow molten product to contact water or other liquids. This can cause violent reactions.  
**Hazardous Decomposition Products:** None expected under normal conditions of use.

## 11. Toxicological Information

**Eye Contact:** Causes serious eye irritation.  
**Skin Contact:** Causes skin irritation. May cause allergic reaction to skin.  
**Inhalation:** May cause mild respiratory irritation.  
**Ingestion:** No data available.  
**Chronic Health Effects:** May cause allergic skin reaction.  
**Acute Toxicity Values:** Not acutely hazardous.  
**Respiratory Sensitization:** Components are not respiratory sensitizers.  
**Skin Sensitization:** May cause an allergic skin reaction.  
**Germ Cell Mutagenicity:** Components are not classified as mutagens.  
**Carcinogenicity:** Components are not classified as carcinogens.  
**Reproductive Toxicity:** Components are not classified as reproductive toxins.  
**Specific Target Organ Toxicity:** No data available.

## 12. Ecological Information

**Ecotoxicity:** Toxic to aquatic life with long lasting effects. Avoid release to the environment.  
**Persistence and Degradability:** Not readily biodegradable.  
**Bioaccumulative Potential:** Low potential for bioaccumulation.  
**Mobility in Soil:** No data available.

## 13. Disposal Considerations

Minimize waste generation. Dispose of with a licensed waste disposal contractor. Do not dispose of down the drain. Dispose according to local, state, and federal regulations.

## 14. Transport Information

**DOT:** Non-bulk packaging (<882lb or <119gal) is not regulated for transport.  
**Bulk Packaging:** UN3082, Environmentally hazardous substance, liquid, n.o.s (epoxy resin), 9, III  
**IMDG/IATA:** UN3082, Environmentally hazardous substance, liquid, n.o.s (epoxy resin), 9, III, MARINE POLLUTANT.  
 Excepted from IATA and IMDG regulations if shipped in quantities of 5L (1.32gal) or less. (See IATA SP A197 and IMDG 2.10.2.7)  
**Emergency Shipping Information:** Call CHEMTREC, 800-424-9300 or +1-703-527-3887.

## 15. Regulatory Information

### U.S. FEDERAL REGULATIONS:

**CERCLA 103 Reportable Quantity:** This product is not subject to these reporting requirements. Some states have more strict reporting requirements.

**SARA TITLE III Section 311/312:** Acute/Chronic Health  
**Section 313 Toxic Chemicals:** This product does not contain chemicals subject to SARA Title III Section 313 reporting requirements.  
**Section 302 Extremely Hazardous Substances (TPQ):** None  
**EPA Toxic Substances Control Act (TSCA) Status:** Components in this product are listed on TSCA.

### STATE REGULATIONS:

**California Proposition 65: WARNING:** This product contains Epichlorohydrin, a chemical known to the State of California to cause cancer and/or reproductive harm. [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 16. Other Information

**Training Advice:** All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

**Recommended Uses and Restrictions:** This product is intended for industrial/professional use only.

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