SAFETY DATA SHEET
Material Identity: Klear Kote Hardener

SECTION 1 · COMPANY AND PRODUCT IDENTIFICATION

Manufacturers Address:
280 Enterprise Street
Ocoee, Florida 34761

Emergency Phone CHEMTREC: (800) 424-9300
General Information: (404) 355-8220
Synonyms: Complex Hydrocarbon Mixture
Product Description: Hardener

SECTION 2· HAZARDS IDENTIFICATION

GHS Classification:

[Health]	[Environmental]	[Physical]
Acute toxicity, Oral Category 4	Acute aquatic toxicity Category 3	
Serious eye damage Category 1	Chronic aquatic toxicity (Category 3	
Skin sensitization Category 1		

GHS Label elements, including precautionary statements

Pictograms

Signal Word: Danger

Hazard statement(s)
Hazard statement(s)
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor/ physician.
P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
nonylphenol	25154-52-3	56-66
Polyoxypropyleneamine	9046-10-0	34-44
N-Aminoethylpiperazine	140-31-8	01-06

SECTION 4 · FIRST AID MEASURES

FIRST AID PROCEDURES:
Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.
Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if symptoms appear.

SECTION 5 · FIRE FIGHTING MEASURES

Suitable Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.
Hazardous combustion products: Oxides of carbon and various hydrocarbons
Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Unusual Fire and Explosion Hazards: Containers can build up pressure if exposed to heat and/or fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapors will form an explosive mixture with air. Vapors will travel to a source of ignition and flash back.

SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

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
Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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.

SECTION 7 · STORAGE AND HANDLING

Handling: Do not get in eyes, on skin or on clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.
Storage: Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. 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 containers.

SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation or other engineering controls to keep the airborne concentrations of dust or aerosols below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

Exposure Limits:	Monononylphenol	Contains no substances with occupational exposure limit values
	Polyoxypropyleneamine	Contains no substances with occupational exposure limit values.
	N-Aminoethylpiperazine	Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE):
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.
Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.
Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

SECTION 9· PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: 280 ^{O}F
Autoignition Temperature: no data available
Boiling Point: 499 ^{O}F
Melting Point/Freezing Point: no data available
Vapor Pressure: <1 mmHg
Vapor Density (Air-1): > 1
Odor/Appearance: Pale straw liquid with amine odor.
Flammability Limits: no data available
Specific Gravity: 0.968
Volatile %: no data available
Evaporation Rate: no data available
pH: no data available
Solubility in Water: Moderately Soluble

SECTION 10 · STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.
Conditions to Avoid: No specific information
Incompatible Materials: Chemical reactions are not likely to occur.
Hazardous Polymerization: Will not occur.

SECTION 11 · TOXILOGICAL INFORMATION

Signs and Symptoms of Overexposure:
Skin: Contact can cause redness and irritation.
Eyes: Liquid contact will cause stinging and tearing.
Inhalation: Excessive inhalation of high concentrations may be irritating.
Ingestion: If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus.

Acute oral toxicity:
Monononylphenol: LD50 rat: 1,412 mg/kg
Polyoxypropyleneamine: LD50 rat: 480 mg/kg
N-Aminoethylpiperazine: LD50 rat: 2,100 mg/kg
Acute inhalation toxicity:
Monononylphenol: no data available
Polyoxypropyleneamine: no data available
N-Aminoethylpiperazine: no data available
Acute dermal toxicity:
Monononylphenol: no data available
Polyoxypropyleneamine: LD50 rabbit: 2,090 mg/kg
N-Aminoethylpiperazine: LD50 rabbit: 866 mg/kg

SECTION 12 · ECOLOGICAL INFORMATION

Environmental Effects: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Water polluting material. May be harmful to the environment if released in large quantities.
Biodegradability: According to the results of tests of biodegradability this product is not readily biodegradable
Mobility: No known significant effects or critical hazards.

SECTION 13 · DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 · TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Corrosive liquid, n.o.s. (contains Polyoxpylenediamine, Nonlphenol)
Hazard Class: 8
UN Number: 1760
Packaging Group: 3

SECTION 15 · REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)
This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material has not been established. If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:
Acute Health Hazard, Chronic Health Hazard

SARA Section 313 (40 CFR 372) Hazard Categories:
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA

Clean Air Act: None of the chemicals in this product are listed as Hazardous Substances under the CAA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 · OTHER INFORMATION

MSDS Revision Date: April 2015

NFPA Ratings: **HEALTH: 3** **FLAMMABILITY: 1** **REACTIVITY: 0**

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