

Material Safety Data Sheet

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Section I – PRODUCT IDENTIFICATION

Product Name: LIQUIFUSION™ CLEAR HARDENER
Product Class: EPOXY RESIN HARDENER
Product Type: MODIFIED ALIPHATIC POLYAMINE
D.O.T. Category: CORROSIVE LIQUID N.O.S
UN 1760 CHEMICAL NOIBN

EMERGENCY TELEPHONE NUMBER: 800-424-9300

Section II – HAZARDOUS INGREDIENTS

Chemical Name	CAS #	%
1. Aminoethylpiperazine (AEP)	140-31-8	The percentages of each of these ingredients are proprietary information. Significant amounts of each however, are present in this material.
2. Nonyl Phenol	25154-52-3	

Section III – PHYSICAL DATA

PHYSICAL STATE:
Moderate Viscosity; pale liquid

SPECIFIC GRAVITY:
0.97 at 77°F

DENSITY:
8.1 lbs/gal at 77°F

Section IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 200°F (Bensky Martens Closed Cup)
EXTINGUISHING MEDIA: Foam, Dry Chemical, Carbon Dioxide (CO²)

NOTE: Toxic fumes will be evolved when this material is involved in a fire. Self-contained breathing apparatus should be available for fire fighters. Cool fire-exposed containers with water.

Section V – HEALTH HAZARD DATA AND FIRST AID MEASURES

EFFECTS OF OVEREXPOSURE:

ACUTE: Will cause burns to skin and eyes. High concentration of vapors can cause severe irritation of eyes and respiratory tract. Liquid causes severe damage to mucous membranes if swallowed.

CHRONIC: Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic response.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Immediately flush with large amounts of water for at least 15 minutes lifting upper and lower lids occasionally.

GET IMMEDIATE MEDICAL ATTENTION. If a physician is not immediately available, continue flushing with water.

SKIN: Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Launder clothing before re-use and discard contaminated leather articles. Get medical attention if swelling or reddening occurs.

INHALATION: Remove to fresh air if effects occur and administer oxygen, if necessary. **GET MEDICAL ATTENTION** if effects persist.

INGESTION: **DO NOT INDUCE VOMITING.** Vomiting will cause further damage to the throat. Dilute by giving water or milk to drink if victim is conscious. **GET MEDICAL ATTENTION IMMEDIATELY.**

Section VI – REACTIVITY DATA

STABILITY: Stable under normal storage conditions.

INCOMPATIBILITY: Avoid contact with strong oxidizing agents, mineral acids (e.g. H₂SO₄, HCl), and epoxy resins under controlled conditions.

HAZARDOUS DECOMPOSITION PRODUCTS:

CO (Carbon Monoxide)

CO₂ (Carbon Dioxide)

NO_x (Oxides of Nitrogen)

Section VII – SPILL OR LEAK PROCEDURES

IF MATERIAL IS SPILLED: Avoid contact with material. Persons not wearing appropriate protective equipment (see below) should be excluded from the area of spill until clean up is complete. Stop at source, dyke area to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on clay, diatomaceous earth or other absorbent and shoveled into disposal containers.

WASTE DISPOSAL METHOD: Dispose of a hazardous waste in accordance with federal, state and local regulations.

Section VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH approved respiratory protection required in the absence of proper environmental control. A self-contained breathing apparatus or a full-face respirator is recommended.

VENTILATION: Breathing of vapors must be avoided. Ventilation must be sufficient to control vapors. This material should be confined as far as possible within sealed or covered equipment in which case normal ventilation should be adequate. Special (local) ventilation will be needed in areas where vapors are expected to be vented.

HAND PROTECTION: Impervious gloves, neoprene or rubber.

EYE PROTECTION: Splash proof goggles or safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Clean, body covering clothing. Further safety equipment (apron, footwear, etc.) should be used as necessary to prevent contact with material.

Section IX – SPECIAL PRECAUTIONS

1. Prevent all skin and eye contact.
2. Avoid breathing vapors.
3. Re-seal partly used containers.
4. Ensure that ALL containers are properly labeled to prevent accidental ingestion.
5. Wash with soap and water before eating, drinking, chewing gum or using bathroom facilities.
6. Observe conditions of good industrial hygiene and safe working practices.

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied is given.

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