

1. Identification

Manufacturer's Name: Susan Lenart Kazmer LLC
Street Address: 678 Grand Street
Emergency Phone #: 800-424-9300 (CHEMTREC)
Information Phone #: 888-235-1423

Date of Preparation: October 24, 2012
City, State, Zip: Vermilion, OH 44089
Chemical Family: Epoxy Curing Agent
Chemical Name: Aliphatic amine

2. Hazard identification



Warning



Warning



Warning



Warning

Signal word:

Emergency Overview

Clear to slightly amber liquid with ammonia odor.
May cause irritation to the skin, eyes, and/or respiratory tract.
Harmful if swallowed.
May cause burns. May cause skin sensitization.
Possible risk of impaired fertility. Possible risk of harm to unborn child.
May cause long-term adverse effects in the aquatic environment.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard Statements:

- H302 Low acute oral toxicity.
- H314 Overexposure could cause skin sensitization.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H361 Suspected of damaging fertility or the unborn child.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

- P201 Obtain instructions before use.
- P260 Do not breathe fume/mist/vapor/spray.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink, or smoke when using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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Wear suitable protective clothing, gloves, and eye/face protection.
If you feel unwell, seek medical advice.

Primary route of exposure: Inhalation, skin, eyes, ingestion, skin absorption.

Irritation data: Irritating to skin, eyes, and respiratory tract.

25154-52-3 Administration onto the skin (rabbit): 500 mg Moderate (RTECS)

9046-10-0 Administration into the eye (rabbit): 100 mg Severe (RTECS)

Inhalation: Not considered a problem unless heated to high temperature.

Skin contact: Overexposure could cause skin sensitization, not likely to be absorbed through skin in toxic amounts.

Eye contact: May cause severe irritation with possible eye injury.

Ingestion: Low acute oral toxicity.

Medical conditions generally aggravated by exposure: Persons with skin disorders or impaired pulmonary function may be at increased risk from exposure.

3. Composition / Information on ingredients

Components	CAS#	%
Aliphatic amine	9046-10-0	30 - 50
4-(4,6-Dimethylheptan-2-yl) phenol	25154-52-3	50 - 65

Remaining components, if any, are not hazardous or hazardous components are present at <1% (0.1% for carcinogens).

4. First aid measures

Inhalation: Remove from exposure to fresh air immediately if effects occur; consult physician.
Skin contact: Remove contaminated clothing and shoes. Wash affected area with soap and water until no evidence of chemical remains. Wash clothing before reuse. Get medical attention if irritation develops.
Eye contact: Flush thoroughly with water for at least 15 minutes, occasionally lifting upper and lower lids, until no evidence of the chemical remains; consult physician.
Ingestion: Do not induce vomiting. Give large quantities of water. Consult physician. Do not give anything by mouth to an unconscious or convulsing person.

5. Fire-fighting measures

Flammable properties:

Flash Point: 255 °F (PMCC)

Flammable Limits: Not determined

Autoignition temperature: Not determined

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Extinguishing media: Use water spray, dry chemical, foam, or carbon dioxide.

Protection of firefighters (specific hazards arising from the chemical): Closed containers may explode if exposed to extreme heat.

Protective equipment and precautions for firefighters: Water spray may be ineffective on fire, but can protect fire-fighters and cool closed containers.

6. Accidental release measures

Personal precautions: Wear suitable protective equipment. Provide adequate ventilation. AVOID BREATHING VAPORS. Absorb with clay, diatomaceous earth, or other suitable inert absorbent. Carefully place spilled material into a clean, dry container and cover. Reclaim or place in suitable container for disposal.

Environmental precautions: Keep out of waterways.

7. Handling and storage

Handling: Wear suitable protective equipment. Wash thoroughly after handling. Keep container closed when not in use.

Storage: Store in a cool, dry place, away from combustibles.

8. Exposure controls / Personal protection

Component	OSHA – PEL	ACGIH – TLV
Aliphatic amine	Not established	Not established
4-(4,6-Dimethylheptan-2-yl) phenol	Not established	Not established

Engineering controls: Use local or general dilution ventilation to maintain exposure below the exposure limits.

Eye protection: Safety glasses with side shields or choose in accordance with OSHA Personal Protective Equipment Standard 29 CFR 1910.133.

Skin protection: Recommended. Choose impervious protective gloves in accordance with OSHA Personal Protective Equipment Standard 1910.132.

Respiratory protection: Where airborne concentrations may exceed guidelines for permissible air concentrations, choose a respirator in accordance with OSHA Respirator Standard 29 CFR 1910.134.

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NIOSH approved organic vapor respirators are only required when ventilation is inadequate. NIOSH approved air-line respirators with auxiliary escape air tanks or self-contained breathing apparatus should be used in confined spaces.

General hygiene considerations: Wear appropriate protective clothing to minimize repeated or prolonged skin contact with this substance. Wash thoroughly after handling and before eating or drinking.

Other protective equipment: Safety shower and eye bath should be provided. Use coveralls or apron to protect against skin and clothing contamination.

9. Physical and chemical properties

Appearance: Clear to slightly amber liquid
Odor: Phenol-like
Odor threshold: Unknown
Physical state: Liquid
pH: Neutral
Boiling point: 560-566 °F
Melting/Freezing point: -5 °C (23 °F)
Evaporation rate: Slower than ether
Flammability: Will burn
Upper explosive limits: Not determined
Lower explosive limits: Not determined
Vapor pressure: Not applicable
Vapor density: Not applicable
Specific gravity or Relative density: 0.95
Solubility: Soluble (6 mg/L)
Oil/water coefficient: Not applicable
Autoignition temperature: Not determined
Decomposition temperature: Not determined

10. Stability and reactivity

Chemical stability: Stable
Conditions to avoid: Oxidizing materials. Isolate from open flames.
Incompatible materials: Strong oxidizers
Hazardous decomposition products: Oxides of carbon
Possibility of hazardous reactions: Will not occur

11. Toxicological information

25154-52-3	Oral LD ₅₀ (rat):	580 mg/kg
25154-52-3	Oral LD ₅₀ (mouse):	1231 mg/kg
25154-52-3	Administration onto the skin (rabbit) LD ₅₀ :	2140 mg/kg
9046-10-0	Oral LD ₅₀ (rat):	240 mg/kg
9046-10-0	Administration onto the skin (rabbit) LD ₅₀ :	360 mg/kg

Sensitization: May be sensitizing to skin and lungs

Carcinogenicity: No component is listed by OSHA, IARC, or NTP

Neurological effects: None known

Mutagenicity: Possible mutagen

Reproductive effects: Maternal effects, paternal effects (RTECS)

Developmental effects: hepatobiliary system, urogenital system

Target organs: skin, liver, kidney/ureter/bladder, blood

12. Ecological information

4-(4,6-Dimethylheptan-2-yl) phenol, CAS# 25154-52-3: EC₅₀ (Daphnia): 0.14-0.44 mg/L; 48 Hr

Is persistent in the environment.

Not readily biodegradable.

Bioaccumulates.

The US EPA has set a maximum limit in fresh water ecosystems of no more than 28 µg/L not more than once every three years on the average.

13. Disposal considerations

Dispose in accordance with all applicable federal, state, and local environmental regulations. Recycling or reclamation should be considered.

Resource Conservation and Recovery Act (RCRA) regulations as found in 40 CFR 261: Not regulated

Information applies to the material as manufactured. Processing, use, or contamination may make the information inappropriate, inaccurate, or incomplete.

14. Transport information

Proper shipping name: Alkylphenols, liquid, nos

Marine pollutant: Yes 49CFR 172.101

15. Regulatory information

OSHA: This material is classified as hazardous under OSHA regulations

TSCA: 9046-10-0 and 25154-52-3 are listed on the TSCA 8(b) inventory

CERCLA Hazardous Substances List 40 CFR 302: None

SARA Title III Section 301 Extremely Hazardous Substances: None

Toxic Chemicals List 40 CFR 372.65: None

RCRA Hazardous Waste Codes 40 CFR 261.24, 261.33: None

WHMIS: This material has been classified in accordance with the hazard criteria of the Controlled Product Regulations, and is considered an E/D2A/2B Controlled Product. The SDS has been prepared in compliance with the CPR. Ingredients that are required to be reported under the WHMIS IDL are: 25154-52-3

Canada: All components are listed on DSL

EINECS: All components are either listed or exempt from listing on the EINECS inventory

California: This product has been evaluated and does not require warning under Proposition 65

16. Other information

ACGIH: American Conference of Governmental Industrial Hygienists

ACGIH TLV: ACGIH Threshold Limit Values

CAS: Chemical Abstract Service

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

CFR: Code of Federal Regulations

CNS: Central Nervous System

CPR: Controlled Product Regulations

DSL: Domestic Substances List

EINECS: European Inventory of Existing Commercial Chemical Substances

IARC: International Agency for Research on Cancer

IDL: Ingredient Disclosure List

mg/kg: milligrams per kilogram

mg/L: milligrams per liter
mg/m³: milligrams substance per cubic meter
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
OSHA PEL: OSHA Permissible Exposure Limits
RCRA: Resource Conservation and Recovery Act
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
TSCA: Toxic Substances Control Act
TWA: Time Weighted Average
ug/L: micrograms per liter
WHMIS: Workplace Hazardous Materials Information System

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