

F Form
Material Safety Data Sheet



Cover Sheet for Material Safety Data Sheet
Aromatic Amine Curing Agent
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Computer:		File: C:\ISO9000 Quality Management Manual\F0201-03 .doc							Page 0 of 4	

F Form Material Safety Data Sheet



Product: 459

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Common Name (Trade name and syn:nyms): **Curing Agent 459**

Chemical Name: Aromatic Amine Curing Agent

Chemical Family: Amine

CAS Number: Mixture

Section 1: Hazardous Ingredients

<u>Component</u>	<u>%</u>	<u>ACGIH TLV</u>
Diethylene Triamine (DETA)	5-10	1 ppm (skin)
Phenol	<2	5 ppm (skin)
Aromatic Amine with no established Hazards: Corrosive, irritant	30-40	see attached sheet

All ingredients are listed in the TSCA Inventory

Section 2: Physical and Chemical Characteristics

Boiling Point (°F): >225°F	Specific Gravity (water=1): 1.11
Vapor Pressure (mm/Hg): Nil	Volatiles (% by volume): 0
Vapor Density (Air=1): >1	Evaporation Rate (BuAc =1) : <1
Solubility in Water: Negligible	
Appearance & Odor: Brown viscous liquid; ammoniacal odor	

Section 3: Fire and Explosion Data

Flash Point (test method): >200°F (PMCC)

Flammable Limits in Air (% by volume): LeL: N/A Uel: N/A

Extinguishing Media: Water spray, foam, CO₂, dry chemical

Special Fire Fighting Precautions/Procedures: Avoid breathing smoke. In confined areas, full fire fighting equipment including a self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire and Explosion Hazards: None

Product: 459

F Form Material Safety Data Sheet



Section 4: Health Hazard Information

Threshold Limit value (TLV): Not established

ANSI Hazard Class: 4

Signs and Symptoms of exposure:

Type of exposure	Signs and Symtopms of exposure
<i>Acute Overexposure</i>	Skin and eye irritation. Possible skin sensitization.
<i>Chronic Overexposure</i>	Eye irritation; skin rashes
Routes of Exposure	
Inhalation	May cause respiratory tract infection
Ingestion	May cause respiratory tract infection
Skin Absorption	May cause allergic reaction
Skin Contact	May cause allergic reaction; may stain skin
Eye contact	Moderately irritating. Permanent Damage possdible on prolonged exposure
Carcinogenicity	
NTP	No
IARC	No
OSHA	No

Section 5: Emergency and First Aid Procedures

Skin: Remove contaminated clothing. Wash skin with soap and water. Launder clothing prior to re-use.

Eyes: Flush with water for 15 minutes while holding eyelids open. Get medical attention.

Inhalation: Remove victim to fresh air. Administer oxygen if necessary.

Ingestion: Do not induce vomiting. Give large doses of water. Get medical attention.

F Form

Material Safety Data Sheet



Product: 459

Section 6: Reactivity Data

Stability: Stable: X
Conditions to Avoid: None
Incompatibility (materials to avoid): Mineral or organic oxides; strong oxidizing agents
Hazardous Decomposition Products: Oxides of carbon and nitrogen
Hazardous Polymerization: May Occur: Will Not Occur: X
Conditions to Avoid: Large mixtures with epoxy resin in bulk. Curing process is exothermic.

Section 7: Spill and Leak Procedures:

Steps to be Taken if Material is Spilled or Released:

Avoid contact with liquid or vapors. Wipe with a cloth or collect on absorbent material.
 Large Spills: Dike and contain. Pump or shovel into salvage vessels.

Waste Disposal Method: Cure with epoxy bury, the bury or incinerate. Remove salvage vessels to a waste disposal site operating in compliance with Federal, State and Local regulations.

Section 8: Special Protection Information

Respiratory Protection (specific type): For excessive vapors or to maintain below TLV, a NIOSH approved respirator for organic vapors in compliance with 29 CFR 1910.134.

Ventilation: Local Exhaust: Yes
 Mechanical: Yes
 Other: As required

Protective Gloves: Impervious rubber

Eye Protection: Splash proof chemical goggles

Other Protective Clothing or Equipment: For prolonged exposure, impervious clothing and boots to minimize personal contact, Eye wash station. Safety shower.

Section 9: SARA Title III Information

Section 302/304: Extremely Hazardous Substance

<u>Component</u>	<u>CAS #</u>	<u>%</u>	<u>RQ (lbs)</u>	<u>TPQ (lbs)</u>
Phenol 10,000	108-95-2	<2	1000	500,

CERCLA Section 102 (a): Hazardous Substance

<u>Component</u>	<u>CAS #</u>	<u>%</u>	<u>RQ (lbs)</u>
Phenol	108-95-2	<2	1000

F Form Material Safety Data Sheet



Product: 459

Section 9: SARA Title III Information (continued):

Section 311: Hazardous Categorization

<u>Acute</u>	<u>Chronic</u>	<u>Fire</u>	<u>Pressure</u>	<u>Reactive</u>	<u>Non-Applicable</u>
X	X				

Section 313: Toxic Chemicals

<u>Component</u>	<u>CAS #</u>	<u>%</u>
Phenol	108-95-2	<2

Section 10: Special Precautions

Warning Statements: For Industrial Use Only!
Corrosive. May cause severe skin and eye burns.

Precautions to be taken in Handling and Storage: Store closed containers. Avoid contact with skin and eyes. Use with adequate ventilation. Use good hygiene practices.

Other Precautions:

RCRA Status: Not considered a hazardous waste.
CERCLA: Not listed
DOT Class: Corrosive Liquid, Basic, Organic, N.O.S., UN 3267

Section 11: Miscellaneous

	<u>HMIS Rating</u>
Health:	3
Flammability:	1
Reactivity:	0

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1919,1200. The information contained herein is based on data available to us and is believed to be accurate. However, Magnolia Plastics, Inc. makes no warranty expressed or implied concerning the accuracy of the information contained herein. It is the user's responsibility to determine the safety, toxicity and suitability of the product described herein. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.

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