



# MATERIAL SAFETY DATA SHEET

## ***KEMAMINE® P-970***

**Version:** 1.1  
**Date of Issue:** 03/30/2006  
**Date printed:** 12/30/2006

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** KEMAMINE® P-970

**Chemical name:** Hydrogenated tallow amine

**Use of substance/preparation:** Chemical intermediate.

**Supplier:** Chemtura USA Corporation  
Chemtura Corporation (Worldwide HQ)  
199 Benson Road  
Middlebury, CT 06749 USA

**Emergency telephone number:** CHEMTREC (24 hours) 800-424-9300  
Chemtura Corporation Emergency Response (24 hours) 800-292-5898  
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

**Environmental, Health and Safety Department:** 866-430-2775

**Customer Service:** 877-948-2660

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

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<u>INGREDIENT</u>	<u>% BY WEIGHT</u>
Hydrogenated tallowamine CAS# 61788-45-2	

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### 3. HAZARDS IDENTIFICATION

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#### EMERGENCY OVERVIEW

**DANGER!**

**CORROSIVE.**  
**CAUSES EYE AND SKIN BURNS.**  
**HARMFUL OR FATAL IF SWALLOWED.**

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### 4. FIRST AID MEASURES

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#### Swallowing

Do not induce vomiting. If patient is fully conscious, rinse mouth with water. Have the patient drink from 240-300 mL of water to dilute material in stomach. Obtain medical attention immediately.

#### Inhalation

Remove to fresh air. Obtain medical attention if symptoms persist.



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### **Skin contact**

Immediately remove contaminated clothing and shoes. Immediately wash area with soap for 5 mins., then flush with water for 10 mins. Next wash with commercial buffering solution until burning ceases or reddening dissipates. Again wash with soap and water for 5 mins. then flush with water for 10 mins. If reddening persists or open sores or blisters develop see physician. Destroy contaminated shoes and other leather items which can not be decontaminated.

### **Eye contact**

Immediately flush with large quantities of water on site for 20 to 30 minutes. The eyelids should be held open and away from the eyeball to ensure that all surfaces are flushed thoroughly. Call a physician. Continue water flush up to one hour during transport to a medical facility.

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## **5. FIRE-FIGHTING MEASURES**

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**Flash point:** 315 °F 157 °C

### **Hazardous combustion products**

Carbon monoxide.  
Carbon dioxide.  
Oxides of nitrogen.

### **Special fire fighting procedures**

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

### **Extinguishing media**

**Suitable:** Extinguish with:  
- water fog  
- dry chemical  
- CO2  
- water spray

**Unsuitable:** None.

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## **6. ACCIDENTAL RELEASE MEASURES**

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### **Environmental precautions**

Avoid runoff to sewers or waterways., May be harmful to aquatic life.

### **Methods for cleaning up**

Carefully collect for disposal.  
Shovel up and transfer to suitable, closable containers.  
Residue:  
Emulsify with soap and water.  
Flush with large amounts of water.  
Wear suitable protective equipment.  
Observe government regulations.

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## **7. HANDLING AND STORAGE**

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### **HANDLING**

#### **Handling precautions**

CORROSIVE., Do not get in eyes, on skin, on clothing., Wash thoroughly with soap and water after handling., Remove contaminated clothing and wash before reuse., Wear recommended personal protection equipment., Keep drums tightly closed to prevent contamination., Never use pressure to empty drums.

### **STORAGE**

#### **Storage requirements**

Corrosive., Isolate from incompatible materials., Store at ambient temperature.



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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**EXPOSURE LIMIT VALUES**

No other exposure limits have been established

**PERSONAL PROTECTION**

**Respiratory protection**

Supplied air respirator equipped with a full facepiece should be used during any operation where there is potential for release of this product to workplace air.

**Hand protection / protective gloves**

Neoprene

**Eye protection**

Full face shield.

**Skin protection**

Rubber or plastic apron

**Other protective equipment**

Eye bath, safety shower, neoprene boots and protective clothing, face shield, hat, or hood. Note: Any spill or splash onto protective gear should be washed off as soon as possible to prevent the possibility of spreading the contamination or of the wearer becoming exposed through a leak in the clothing or while removing the clothing.

**Industrial hygiene measures**

Remove contaminated clothing and clean it.

**ENGINEERING CONTROLS**

**Ventilation**

General (mechanical) room ventilation is expected to be satisfactory for normal handling.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE**

Physical state	SolidFlakes
Color	Off-white
Odor	Mild ammoniacal

**OTHER PROPERTIES**

Boiling point	143 °C 290 °F
Melting point	46 - 48 °C 114 - 118 °F
pH	No data available.
Specific gravity (H2O=1)	0.8
Vapor pressure	
Solubility in water	Negligible
Evaporation rate (Butyl Acetate=1)	Negligible
Flash point	315 °F 157 °C Method: Pensky-Martens closed cup ASTM D 93
Percent volatiles	0 %(m)



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### 10. STABILITY AND REACTIVITY

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**Stability:** Stable.

**Stability - Conditions to avoid**  
Stable under normal conditions.

**Incompatible materials**  
Strong oxidizing agents.

**Hazardous combustion products**  
Carbon monoxide.  
Carbon dioxide.  
Oxides of nitrogen.

**Hazardous polymerization:** Will not occur.

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### 11. TOXICOLOGICAL INFORMATION

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#### GENERAL

No information available.

#### SWALLOWING

Acute effects  
Harmful or fatal if swallowed.  
Causes chemical burns.

#### INHALATION

Acute effects  
Causes severe irritation or burns of respiratory system and ulceration of mucous membranes.

#### SKIN CONTACT

Acute effects  
Causes severe burns.

#### EYE CONTACT

Acute effects  
Causes severe burns.

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### 12. ECOLOGICAL INFORMATION

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This product is expected to be moderately toxic to aquatic organisms.

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### 13. DISPOSAL CONSIDERATIONS

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**General:** It is our opinion this product is a RCRA hazardous waste due to its' corrosivity. It is the generators responsibility to make their own waste determinations as to the RCRA status of waste they generate. We have not performed a Toxicity Characteristic Leachate Procedure (TCLP) on this product., Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

**Non-cleaned packages**  
Dispose of washing solution in the same way as product.



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### 14. TRANSPORT INFORMATION

#### DOT Classification

Proper shipping name: AMINES, SOLID, CORROSIVE, N.O.S. (FATTY AMINES)  
 Class: 8.(CORROSIVE MATERIAL)  
 UN ID #: UN 3259  
 Packing group: III

#### IMDG Classification

Proper shipping name: AMINES, SOLID, CORROSIVE, N.O.S.  
 Class: 8  
 UN ID #: UN 3259  
 Packing group: III  
 Technical description (FATTY AMINES)

#### ICAO Classification

Proper shipping name: AMINES, SOLID, CORROSIVE, N.O.S.  
 Class: 8  
 UN ID #: UN 3259  
 Packing group: III  
 Technical description (FATTY AMINES)

### 15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RO's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPO's) and release reporting based on Reportable Quantities (RO's) in 40CFR355 (used for SARA 302 and 304).

Components present in this product at a level which could require reporting under the statute are:

None.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

None.

#### New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
Hydrogenated tallowamine	61788-45-2	

EPA Hazard Categories (SARA 311, 312): Immediate Health Hazard

#### CHEMICAL INVENTORY

Canada: This product is on the DSL.  
Europe: This product is on the EINECS inventory. 262-976-6  
United States: This product is on the TSCA inventory.  
Australia: This product is on the AICS inventory.  
China: This product is on the IECS Inventory.  
Korea: This product is listed on the Existing Chemicals List (ECL).  
Philippines: This product is on the PICCS.



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### 16. OTHER INFORMATION

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#### Emergency Telephone Numbers

<b>Latin America:</b>	All	+44 (0)208 762 8322
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#### HMIS RATING

<b>Health: 3</b>	<b>Flammability: 1</b>	<b>Reactivity: 0</b>	<b>PPI:</b>
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STP	Standard temperature and pressure
W/W	0 (HMIS)
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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