

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification											
Common Name	AminePro 807										
Supplier	COASTAL CHEMICAL CO.,L.L.C. 3520 Veterans Memorial Drive ABBEVILLE, LA 70510 337-893-3862										
Synonym	Not available.										
Trade name	Not available.										
Material Uses	U.S. Patent 5,686,016 Other Patents Pending										
Manufacturer	Coastal Chemical Co., L.L.C. 3520 Veterans Memorial Drive Abbeville, La.										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Code</td> <td>Not available.</td> </tr> <tr> <td>MSDS#</td> <td>Not available.</td> </tr> <tr> <td>Validation Date</td> <td>05/24/2004</td> </tr> <tr> <td>Print Date</td> <td>05/24/2004</td> </tr> <tr> <td>In case of Emergency</td> <td>Transportation Emergency Call CHEMTREC 800-424-9300 Other Information Call Charles Toups 337-261-0796</td> </tr> </table>	Code	Not available.	MSDS#	Not available.	Validation Date	05/24/2004	Print Date	05/24/2004	In case of Emergency	Transportation Emergency Call CHEMTREC 800-424-9300 Other Information Call Charles Toups 337-261-0796
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Section 2. Composition and Information on Ingredients				
Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
1) Proprietary Compound 2) Hydroquinone	123-31-9	10-12 2-6	TWA: 2 (mg/m ³) from ACGIH (TLV) TWA: 2 (mg/m ³) from OSHA	ORAL (LD50): Acute: 320 mg/kg [Rat.], 245 mg/kg [Mouse]. 200 mg/kg [Guinea pig].
3) Proprietary Compound 4) Methanol	67-56-1	17 - 21 19 - 22	TWA: 200 (ppm) from OSHA (PEL) TWA: 200 STEL: 250 (ppm) from ACGIH (TLV) TWA: 262 STEL: 328 (mg/m ³) from ACGIH TWA: 200 STEL: 250 (ppm) from NIOSH	ORAL (LD50): Acute: 5628 mg/kg [Rat]. 7300 mg/kg [Mouse]. DERMAL (LD50): Acute: 15800 mg/kg [Rabbit]. VAPOR (LC50): Acute: 64000 ppm 4 hour(s) [Rat.].
5) Confidential Information		2 - 5		

Section 3. Hazards Identification	
Emergency Overview	<p style="color: red; margin: 0;">WARNING!</p> <p style="color: red; margin: 0;">FLAMMABLE LIQUID AND VAPOR, VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF SWALLOWED. CONTAINS MATERIAL WHICH CAN CAUSE SPECIFIC ORGAN OR SYSTEM DAMAGE: (blood, kidneys, lungs, the nervous system, spleen, gastro-intestinal tract, upper respiratory tract, eyes). MAY CAUSE EYE IRRITATION.</p>
Routes of Entry	Eye contact.
Potential Acute Health Effects	Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation. Non-sensitizer for skin. Severe over-exposure can result in death. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.
Potential Chronic Health Effects	<p>Very hazardous in case of eye contact (irritant).</p> <p>Hazardous in case of skin contact (permeator).</p> <p>Slightly hazardous in case of skin contact (irritant).</p> <p>CARCINOGENIC EFFECTS: Not available.</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Not available.</p> <p>DEVELOPMENTAL TOXICITY: Not available.</p> <p>The substance is toxic to blood, kidneys, lungs, spleen, the nervous system, gastro-intestinal tract, upper respiratory tract, eyes.</p> <p>Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to</p>

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an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.
Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Hazardous Ingestion	No additional information.

Section 5. Fire and Explosion Data

Flammability of the Product	Flammable.
Auto-Ignition Temperature	The lowest known value is 315°C (599°F) (Proprietary Compound).
Flash Points	CLOSED CUP: 46.111°C (115°F). (Tagliabue.)
Flammable Limits	The greatest known range is LOWER: 6% UPPER: 36.5% (Methanol)
Products of Combustion	These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).
Fire Hazards in Presence of Various Substances	Flammable in presence of open flames and sparks, of heat, of oxidizing materials.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemicals, CO2, alcohol foam or water spray. LARGE FIRE: Use alcohol foam, water spray or fog.
Special Remarks on Fire Hazards	Combustible when exposed to heat or flame.
Special Remarks on Explosion Hazards	No additional remark.

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Section 6. Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid.
Large Spill	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Neutralize the residue with a dilute solution of acetic acid. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7. Handling and Storage

Handling	Not available.
Storage	Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.	
Personal Protection	Safety glasses. Lab coat. Gloves (impervious).	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.	
Chemical Name or Product Name	CAS #	Exposure Limits
1) Proprietary Compound		
2) 1,4-Dihydroxybenzene	123-31-9	TWA: 2 (mg/m ³) from ACGIH (TLV) TWA: 2 (mg/m ³) from OSHA
3) Proprietary Compound		
4) Methanol	67-56-1	TWA: 200 (ppm) from OSHA (PEL) TWA: 200 STEL: 250 (ppm) from ACGIH (TLV) TWA: 262 STEL: 328 (mg/m ³) from ACGIH TWA: 200 STEL: 250 (ppm) from NIOSH
5) Confidential Information		

Section 9. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Slight.
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% soln/water)	9.6 to 10.4 [Basic.]	Color	Colorless to dark amber.
Boiling Point	The lowest known value is 64.7°C (148.5°F) (Methanol). Weighted average: 103.07°C (217.5°F)		
Melting Point/Pour Point	<-17.778°C (0°F)		
Critical Temperature	Not available.		
Specific Gravity	0.96 to 0.99 (Water = 1)		
Vapor Pressure	The highest known value is 97.68 mm of Hg (@ 20°C) (Methanol). Weighted average: 29.91 mm of Hg (@ 20°C)		
Vapor Density	The highest known value is 3.1 (Air = 1) (Proprietary Compound). Weighted average: 1.46 (Air = 1)		
Volatility	100% (v/v). (Proprietary Compound.) Weighted average: 93.1% (v/v) 100% (w/w). (Proprietary Compound.) Weighted average: 84.6% (w/w).		
Odor Threshold	The highest known value is 160 ppm (Methanol)		
Evaporation rate	2.1 (Methanol).compared to Butyl acetate		

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Viscosity	Not available.
Water/Oil Dist. Coeff.	The product is much more soluble in water.
Ionicity (in Water)	Not available.
Dispersion Properties	Is not dispersed in methanol, diethyl ether. See solubility in water, methanol, diethyl ether.
Solubility	Easily soluble in methanol. Soluble in cold water, hot water, diethyl ether. Insoluble in n-octanol.
Physical Chemical Comments	Not available.

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with various substances	Reactive with oxidizing agents, alkalis. Non-reactive with organic materials, metals.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	No.

Section 11. Toxicological Information

Toxicity to Animals	WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 200 mg/kg [Guinea pig]. (Hydroquinone). Acute dermal toxicity (LD50): >1000 mg/kg [Rabbit]. (Proprietary Compound). Acute toxicity of the vapor (LC50): 64000 ppm 4 hour(s) [Rat.]. (Methanol).
Chronic Effects on Humans	The substance is toxic to blood, kidneys, lungs, spleen, the nervous system, gastro-intestinal tract, upper respiratory tract, eyes.
Other Toxic Effects on Humans	Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation. Non-sensitizer for skin.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	An allergen. (Hydroquinone)
Special Remarks on other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (Hydroquinone)

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.
Special Remarks on the Products of Biodegradation	No additional remark.

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Section 13. Disposal Considerations

Waste Disposal Follow local, state, and federal guidelines.

Section 14. Transport Information

Propper Shipping Name Flammable liquids n.o.s.

DOT Classification DOT CLASS 3: Flammable liquid.

DOT Identification Number UN1993

Packing Group III

Hazardous Substances Reportable Quantity (kg) 3094.5lbs. (1403.4 kg)

Special Provisions for Transport (contains Methanol & Hydroquinone)

Section 15. Regulatory Information

Federal and State Regulations Pennsylvania RTK: **Hydroquinone; Methanol;**
Florida: **Hydroquinone; Methanol;**
Minnesota: **Methanol;**
Massachusetts RTK: **Hydroquinone; Methanol;**
New Jersey: **Hydroquinone; Methanol;**
TSCA inventory: **Hydroquinone; Proprietary Compound; Methanol; Water;**
SARA 302/304/311/312 extremely hazardous substances: **Proprietary Compound; Hydroquinone; Proprietary Compound;**
SARA 313 toxic chemical notification and release reporting: **Hydroquinone; Methanol: 1%;**
CERCLA hazardous substances: **Hydroquinone; Methanol: 5000 lbs. (2268 kg);**

Other Classifications

WHMIS (Canada) WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
WHMIS CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).
WHMIS CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC) R10- Flammable.
R18- In use, may form flammable/explosive vapor-air mixture.
R25- Toxic if swallowed.
R48/21- Harmful: danger of serious damage to health by prolonged exposure in contact with skin.

Section 16. Other Information

HMIS (U.S.A.)

Health Hazard	RQ: 2
Fire Hazard	2
Reactivity	0
Personal Protection	B

National Fire Protection Association (U.S.A.)

Health



Fire Hazard

Reactivity

Specific hazard

References Not available.

Other Special Considerations No additional remark.

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Transportation Emergency Call
CHEMTREC 800-424-9300
Other Information Call
Charles Toups
337-261-0796

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