

# MATERIAL SAFETY DATA SHEET

DAUBERT CHEMICAL COMPANY

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HMIS HAZARD RATING	
HEALTH	2
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	B

Date of Review: October 1, 2009

Revised: April 21, 2006

Date of Preparation: January 1993

By: M. Hogan III

## SECTION I: PRODUCT IDENTIFICATION

Product Name: **DAUBOND 8855AL**  
Chemical Family: Modified Epoxy Resin  
Material Usage: 2-Component Adhesive

## SECTION II: HAZARDOUS INGREDIENTS

<u>Component</u>	<u>Wt %</u>	<u>Recommended Exposure Limits (TWA)</u>
Epoxy Resin CAS #25068-38-6	55-75	None Established
Alkyl Glycidyl Ether CAS #68609-97-2	<20	None Established
Calcium Carbonate CAS #1317-65-3	25-45	OSHA PEL:5 mg/m <sup>3</sup> (respirable fraction) OSHA PEL:15 mg/m <sup>3</sup> (total dust) ACGIH TLV:10 mg/m <sup>3</sup> ( <sup>[1]</sup> nuisance dust)

<sup>[1]</sup>This component poses a hazard only if a dust is formed, i.e., by sawing, sanding, drilling, etc.

## SECTION III: HEALTH HAZARD INFORMATION

**Primary Routes of Entry:** Skin absorption.

**Acute Effects:** Skin and eye irritation. Blurry vision.

**Chronic Effects:** Prolonged or repeated skin contact may defat the skin and cause dermatitis; allergic reactions may arise in sensitive individuals.

**Carcinogenicity:** None of the components of this product are listed as carcinogens by NTP, IARC, or OSHA 1910(Z).

**Pre-Existing Medical Conditions Aggravated by Exposure:** Dermatitis

#### SECTION IV: FIRST AID PROCEDURES

**Inhalation:** Move victim to fresh air and call emergency medical care. If not breathing, give artificial respiration; if breathing is difficult, give oxygen.

**Eyes:** In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.

**Skin:** Wash skin with soap and water. Remove and isolate contaminated clothing and shoes at the site.

**Ingestion:** DO NOT INDUCE VOMITING. Consult a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

#### SECTION V: FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method):** 216 °F. (TCC)

**Explosive Limits:** LEL = Not Determined UEL = Not Determined

**EXTINGUISHING MEDIA:**

Small Fires: Dry chemical, CO<sub>2</sub>, water spray, or alcohol-resistant foam.

Large Fires: Water spray, fog, or alcohol-resistant foam. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks. For massive fire in cargo area, use unmanned hose holder or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.

**Special Firefighting Protection/Emergency Action:** Fire may produce irritating or poisonous gases. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Isolate for 1/2 mile in all directions if tank, rail car or tank truck is involved in fire. If runoff from fire control occurs, notify the appropriate authorities.

**Unusual Fire/Explosion Hazards:** May be ignited by extreme heat, sparks or flames. Vapors may travel to a source of ignition and flash back. Container may explode in heat of fire.

**Products of Combustion:** Carbon monoxide, carbon dioxide, miscellaneous hydrocarbons.

#### SECTION VI: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

**Steps to be Taken in case Material is Released or Spilled:** Shut off ignition sources; no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.

**Small Spills:** Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

**Large Spills:** Dike far ahead of liquid spill for later disposal.

#### SECTION VII: SAFE HANDLING INFORMATION

**Precautions To Be Taken In Handling/Storage:** Store in cool, well-ventilated area. Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors.

**Other Precautions:** Never wear contaminated clothing. Launder or dry clean before wearing. Discard oil-soaked shoes. Wash thoroughly with soap and water (waterless hand cleaner may be helpful in

removing residues) after use and before smoking or eating. Avoid excessive skin contact.

## SECTION VIII: EXPOSURE CONTROLS

**Respiratory Protection:** NIOSH-approved respirator for organic vapor and mist to control exposure where ventilation is inadequate.

**Ventilation:** General and local exhaust.

**Personal Protective Equipment:**

Protective Gloves: Impervious gloves (Viton, PVOH, etc.)

Eye Protection: Safety glasses with sideshields or chemical goggles.

Other Protective Clothing or Equipment: If splashing is anticipated, wear rubber apron and boots or other protective equipment to minimize contact.

## SECTION IX: REACTIVITY HAZARD DATA

**Stability:** Stable

**Incompatibility:** Strong acids, bases, oxidizers.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, miscellaneous hydrocarbons.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Strong acids, bases, oxidizers, all sources of ignition.

## SECTION X: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Pink
Appearance:	Liquid
Odor:	Mild
Boiling Point (initial):	>250 °F.
Evaporation Rate (n-Butyl Acetate=1):	<1
Vapor Pressure (mmHg @ 20 °C):	0.06
Vapor Density (air=1):	>1
Solubility in Water:	Slight
Specific Gravity (water=1):	1.38 ± .02
pH:	Not Applicable
Percent Volatile 1 Hr. @ 110 °C (before cure):	<10 (by Volume)

## SECTION XI: DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Dispose of in accordance with state, local and federal regulations. Materials may become a hazardous waste through use. If permitted, incineration may be practiced.

## SECTION XII: REGULATORY INFORMATION

VOLATILE ORGANIC CONTENT: (Calculated Values)

VOC per Liter (mixed per Rule 1168):

<5 g/l @ 77 °F  
(<30 g/l after 1 Hr. @ 110 °C)

VOC per Liter Minus Exempt Solvents & Water:

5 g/l @ 77 °F  
(<30 g/l after 1 Hr. @ 110 °C)

VOC Vapor Pressure:

0.06 mmHg @ 20 °C

EPA HAZARDOUS WASTE NUMBER(S) (40 CFR PART 261):  
EPA HAZARD CATEGORY (40 CFR PART 370):

NONE  
IMMEDIATE (ACUTE)

**SARA TITLE III:**

This product contains the following TOXIC CHEMICALS subject to the Reporting Requirements of Sec. 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and of 40 CFR Part 372:

Chemical	CAS No.	Wt %
NONE		

This product contains the following EXTREMELY HAZARDOUS SUBSTANCE(S) subject to Emergency Planning Requirements under Sec. 301-303 (40 CFR Parts 300 and 355) and Emergency Release Notification Requirements under Sec. 304:

Chemical	CAS No.	Wt %	RQ/TPQ Lbs
NONE			

(CERCLA LIST) This product contains the following HAZARDOUS SUBSTANCE(S) subject to Emergency Release Notification Requirements under Sec. 304 (40CFR Part 302):

Chemical	CAS No.	Wt %	Final RQ Lbs
NONE			

**CALIFORNIA PROPOSITION 65:**

This product may contain trace quantities of chemicals identified by the State of California under the Safe Drinking Water and Toxic Reinforcement Act of 1986 ("Proposition 65") as either a carcinogenic or reproductive hazard.

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Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.

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## HMIS HAZARD RATING

Health	3
Fire	1
Reactivity	0
Personal Protection	B

Date of Review: October 1, 2009  
Date of Preparation: January 14, 1999

Revised: April 21, 2006  
By: Martin T. Hogan III

## SECTION 1: PRODUCT IDENTIFICATION

Product Name: **DAUBOND 8855BL**  
Chemical Family: Modified Polyamide Resin  
Material Usage: 2-Component Adhesive

## SECTION 2: HAZARDOUS INGREDIENTS

Component	Wt%	Recommended Exposure Limits (TWA)
Polyamidoamine CAS #Trade Secret	50-70	None Established
Calcium Carbonate CAS #1317-65-3	25-45	OSHA PEL: 5 mg/m <sup>3</sup> (respirable fraction) OSHA PEL: 15 mg/m <sup>3</sup> (total dust) ACGIH TLV: 10 mg/m <sup>3</sup> ( <sup>[1]</sup> nuisance dust)
Polyethylenepolyamine CAS# Trade Secret	1-10	None Established

<sup>[1]</sup> This component poses a hazard only if the liquid product dries and a dust is formed.

## SECTION 3: HEALTH HAZARD INFORMATION

**Primary Routes of Entry:** Skin absorption.

**Acute Effects:** Skin and eye irritation. Product vapor in low concentrations can cause lacrimation, conjunctivitis and corneal edema when absorbed into the tissue of the eye from the atmosphere. Corneal edema can cause the perception of "blue haze" or "fog" around lights, although this is a temporary effect and has no known residual effect. Causes eye burns. May cause blindness. Severe eye irritation.

**Chronic Effects:** Prolonged or repeated skin contact may defat the skin and cause dermatitis; allergic reactions may arise in sensitive individuals.

**Carcinogenicity:** None This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

**Pre-Existing Medical Conditions Aggravated by Exposure:** Dermatitis; pre-existing eye disease.

#### SECTION 4: FIRST AID PROCEDURES

**Inhalation:** Move victim to fresh air and call emergency medical care. If not breathing, give artificial respiration; if breathing is difficult, give oxygen.

**Eyes:** In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.

**Skin:** Wash skin with soap and water. Remove and isolate contaminated clothing and shoes at the site.

**Ingestion:** DO NOT INDUCE VOMITING. Consult a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

#### SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200 °F. (TCC)

Explosive Limits:

LEL: Not Determined

UEL: Not Determined

**Small Fires:** Dry chemical, CO<sub>2</sub>, water spray, or alcohol-resistant foam.

**Large Fires:** Water spray, fog, or alcohol-resistant foam. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks. For massive fire in cargo area, use unmanned hose holder or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.

**Special Firefighting Protection/Emergency Action:** Fire may produce irritating or poisonous gases. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Isolate for 1/2 mile in all directions if tank, rail car or tank truck is involved in fire. If runoff from fire control occurs, notify the appropriate authorities.

**Unusual Fire/Explosion Hazards:** Container may explode in heat of fire.

**Products of Combustion:** Carbon monoxide, carbon dioxide, oxides of nitrogen, cyanide, miscellaneous hydrocarbons.

#### SECTION 6: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

**Steps to be Taken in case Material is Released or Spilled:** Shut off ignition sources; no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.

**Small Spills:** Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

**Large Spills:** Dike far ahead of liquid spill for later disposal.

#### SECTION 7: SAFE HANDLING INFORMATION

**Precautions To Be Taken In Handling/Storage:** Store in cool, well-ventilated area. Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors.

**Other Precautions:** Never wear contaminated clothing. Launder or dry clean before wearing. Discard oil-soaked shoes. Wash thoroughly with soap and water (waterless hand cleaner may be helpful in removing residues) after use and before smoking or eating. Avoid excessive skin contact.

## SECTION 8: EXPOSURE CONTROLS

**Respiratory Protection:** NIOSH-approved respirator for organic vapor and mist to control exposure where ventilation is inadequate.

**Ventilation:** General and local exhaust.

**Personal Protective Equipment:**

Protective Gloves: Impervious gloves (Viton, etc.)

Eye Protection: Safety glasses with sideshields or chemical goggles.

Other Protective Clothing or Equipment: If splashing is anticipated, wear rubber apron and boots or other protective equipment to minimize contact.

## SECTION 9: REACTIVITY HAZARD DATA

**Stability:** Stable

**Incompatibility:** Strong acids, bases, oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, oxides of nitrogen, cyanide, ammonia gas, nitric acid, miscellaneous hydrocarbons.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Strong acids, bases, oxidizers, all sources of ignition.

## SECTION 10: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Yellow
Appearance:	Liquid
Odor:	Amine
Boiling Point (initial):	>200 °F.
Evaporation Rate (n-Butyl Acetate=1):	<1
Vapor Pressure (Lbs.):	0.05 @ 100 °F. (REID)
Vapor Density (air=1):	>1
Solubility in Water:	Appreciable
Specific Gravity (water=1):	1.15 ± 0.02
pH:	Not Applicable
Percent Volatile, 1 hr @ 110 °C (before cure):	<10 (by Volume)

## SECTION 11: DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Dispose of in accordance with state, local and federal regulations. Materials may become a hazardous waste through use. If permitted, incineration may be practiced.

## SECTION 12: REGULATORY INFORMATION

Volatile Organic Content: (Calculated Values)

VOC per liter (mixed per Rule 1168):

<5 g/l @ 77 °F. (<30 g/l after 1 hr @ 110 °C)

VOC per liter minus exempt solvents & water:

<5 g/l @ 77 °F. (<30 g/l after 1 hr @ 110 °C)

EPA Hazardous Waste Number(s) (40 CFR Part 261):

NONE

EPA Hazard Category (40 CFR Part 370):

IMMEDIATE (ACUTE)

Daubond 8855BL [2114]

10/1/09

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NONE		

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NONE			

**CALIFORNIA PROPOSITION 65:**

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