

# SAFETY DATA SHEET



Date Prepared : 02/03/2015

SDS No : BC8860B

Date Revised : 07/22/2015

Revision No : 1

**BC 8860 B**

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** BC 8860 B

### MANUFACTURER

BCC Products/Blehm Plastics  
2140 Earlywood Drive  
P.O. Box 327  
Franklin, IN 46131  
**Customer Service:** (317) 736-4090

### 24 HR. EMERGENCY TELEPHONE NUMBERS

FOR CHEMICAL EMERGENCY CALL CHEMTREC (24 HOURS)  
1-800-424-9300 (U.S., Canada, Puerto Rico, Virgin Islands) 1-703-527-  
3887 (Outside above area, collect calls accepted)

## 2. HAZARDS IDENTIFICATION

### GHS LABEL



Health  
hazard



Exclamation  
mark



Environment

**SIGNAL WORD:** DANGER

### HAZARD STATEMENTS

H317: May cause an allergic skin reaction.

H341: Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H350: May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H411: Toxic to aquatic life with long lasting effects.

H373: May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

### PRECAUTIONARY STATEMENTS

#### Prevention:

P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash ... thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P281: Use personal protective equipment as required.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water/...

P307+P311: IF exposed: Call a POISON CENTER or doctor/physician.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.  
P391: Collect spillage.  
P405: Store locked up.  
P501: Dispose of contents/container to ...

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Benzeneamine, 4,4'methylenebis	40 - 50	101-77-9
Dibutylphthalate	50 - 60	84-74-2
1-methyl-2-pyrrolidinone	< 6	872-50-4

### 4. FIRST AID MEASURES

**EYES:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**SKIN:** Remove contaminated clothing and shoes. After contact with skin, wash immediately with soap and plenty of water. Wash clothing before reuse. Seek medical advice.

**INGESTION:** Do NOT induce vomiting. never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**INHALATION:** Move exposed person to fresh air. If breathing is difficult give oxygen. If not breathing, provide artificial respiration or oxygen by trained personnel. Call a physician or Poison Control Center Immediately.

**NOTES TO PHYSICIAN:** Treat symptomatically.

**ADDITIONAL INFORMATION:** Show this Safety Data Sheet to the doctor in attendance.

### 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool.

**EXTINGUISHING MEDIA:**

Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Dry sand. Limestone powder. Do Not use water directly on fire. Use water spray to cool down fire-exposed containers. Water spray may cause frothing.

**HAZARDOUS COMBUSTION PRODUCTS:** Applies to residue. Carbon dioxide and carbon monoxide are normal products of combustion. Incomplete combustion may produce irritating fumes and acrid smoke.

**FIRE FIGHTING PROCEDURES:** Use protective fire fighting clothing and positive pressure self-contained breathing apparatus to protect against potential harmful and/or irritating fumes. Assure adequate protection for skin and eyes. Prevent run-off from entering sewers or waterways.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Isolate area; keep unnecessary and unprotected personnel from entering the involved area. Stop leak if there is no risk/ Move containers from spill area. Ventilate the contaminated area thoroughly. Prevent from entering into drains, ditches and waterways. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose with a licensed waste disposal contractor.

**LARGE SPILL:** If possible, stop flow of product. Construct dike to prevent spreading. Place in appropriate chemical waste container and dispose of in accordance with all local, state and federal regulations.

**ENVIRONMENTAL PRECAUTIONS**

**WATER SPILL:** Prevent further leakage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Soak up with inert absorbent material and dispose of as hazardous waste.

**SPECIAL PROTECTIVE EQUIPMENT:**

Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face

protection. Evacuate personnel to safe areas.

## 7. HANDLING AND STORAGE

**HANDLING:** Use in an area equipped with safety shower. Ensure that eyewash stations and safety showers are close to the work location. Ensure adequate ventilation. Do not breathe vapor/dust. Avoid contact with skin, eyes and clothing. Avoid repeat exposure.

**STORAGE:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
Chemical Name		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Benzeneamine, 4,4'methylenebis	TWA	0.010		0.1	0.81	NL	NL
	STEL	0.1				NL	NL

**ENGINEERING CONTROLS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**SKIN:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**RESPIRATORY:** In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**WORK HYGIENIC PRACTICES:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Specific Gravity
1-methyl-2-pyrrolidinone	204	202	1.026

**ODOR:** Amine-like

**APPEARANCE:** Low Viscosity Liquid

**COLOR:** Amber

**pH:** No data available.

**FLASH POINT AND METHOD:** > 188°C (370°F) Estimated

**FLAMMABLE LIMITS:** 0 to 0

**VAPOR PRESSURE:** No data available.

**VAPOR DENSITY:** No data available.

**BOILING POINT:** > 202°C (396°F)

**SOLUBILITY IN WATER:** Slight Solubility

**SPECIFIC GRAVITY:** ~ 1.09

**VISCOSITY #1:** 120 to 150 cP at 23°C (75°F) Brookfield RVF

**(VOC):** Not Determined

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes

**HAZARDOUS POLYMERIZATION:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**STABILITY:** Stable at room temperature in closed containers under normal storage and handling conditions.

**CONDITIONS TO AVOID:** No Specific Data

**POSSIBILITY OF HAZARDOUS REACTIONS:** Under normal conditions of storage and use, hazardous reactions will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrocarbons. Carbon Dioxide (CO<sub>2</sub>). Carbon Monoxide.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents, strong acids.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD <sub>50</sub>	DERMAL LD <sub>50</sub>	INHALATION LC <sub>50</sub>
1-methyl-2-pyrrolidinone	3914	2200 to 4000	> 5100

**SKIN ABSORPTION:** May cause skin sensitization by skin contact.

### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Benzeneamine, 4,4'methylenebis	2	2B	X

**IARC:** Supplement 7 [1987] Monograph 39 [1986]

**NTP:** Reasonably anticipated to be human carcinogen.

**OSHA:** Present

**SENSITIZATION:** May cause skin sensitization by skin contact.

**TARGET ORGANS:** Spleen, Eyes, Central Vascular System, Liver, Kidney, Blood, Bladder.

**MUTAGENICITY:** May cause heritable genetic damage. Possible risks of irreversible effects.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** A Component of this material is expected to be harmful to aquatic organisms on an acute basis with n LC<sub>50</sub> in the range of 10-100 mg/L in the most sensitive species; may cause long-term adverse effects in the aquatic environment.

**BIOACCUMULATION/ACCUMULATION:** No data is available on the product itself.

**AQUATIC TOXICITY (ACUTE):** 4,4' Diaminodiphenyl Methane

Freshwater Algae EC<sub>50</sub> = 21 mg/L (*Scenedesmus subspicatus*) (72h)

Microtox Data

5.99 mg/L EC<sub>50</sub> *Photobacterium phosphoreum* 5 min

6.57 mg/L EC 50 Photobacterium phosphoreum 15 min

6.57 mg/L EC 50 Photobacterium phosphoreum 30 min

6.6 mg/L EC 50 Photobacterium phosphoreum 1 h

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### 13. DISPOSAL CONSIDERATIONS

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**DISPOSAL METHOD:** Incinerate or otherwise dispose of in compliance with all applicable federal, state and local environmental control laws and regulations.

**GENERAL COMMENTS:** The generation of waste should be avoided or minimized wherever possible.

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### 14. TRANSPORT INFORMATION

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#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** 4,4' Diaminodiphenyl methane

**PRIMARY HAZARD CLASS/DIVISION:** 6.1

**UN/NA NUMBER:** 2651

**PACKING GROUP:** III

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 10

**MARINE POLLUTANT #1:** Yes

**OTHER SHIPPING INFORMATION:** NOTE! In Packages under 19 lbs. this material contains less than the Reportable Quantity of a Hazmat substance and does not require Hazmat Labelling.

#### ROAD AND RAIL (ADR/RID)

**PROPER SHIPPING NAME:** 4,4' Diaminodiphenyl methane

**UN NUMBER:** 2651

**CLASSIFICATION CODE:** T2

**PACKING GROUP:** III

**LABEL:** 6.1

#### AIR (ICAO/IATA)

**SHIPPING NAME:** 4,4' Diaminodiphenyl methane

**UN/NA NUMBER:** 2651

**PRIMARY HAZARD CLASS/DIVISION:** 6.1

**PACKING GROUP:** III

**ERG:** 6L

#### VESSEL (IMO/IMDG)

**SHIPPING NAME:** 4,4' Diaminodiphenyl methane

**UN/NA NUMBER:** 2651

**PRIMARY HAZARD CLASS/DIVISION:** 6.1

**PACKING GROUP:** III

**EmS:** F-A, S-A

**MARINE POLLUTANT #1:** Yes

**NOTE:** This product contains a substance that 1) is regulated as a marine pollutant, or 2) meets the definition of toxic to the aquatic environment.

#### CANADA TRANSPORT OF DANGEROUS GOODS

**SHIPPING NAME:** 4,4' Diaminodiphenyl methane

**UN/NA NUMBER:** 2651

**PRIMARY HAZARD CLASS/DIVISION:** 6.1

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**PACKING GROUP:** III**TDG NOTE:** This product contains a chemical which is listed as a marine pollutant according to TDG**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** Acute health hazard**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
Benzeneamine, 4,4'methylenebis	40 - 50	101-77-9
Dibutylphthalate	50 - 60	84-74-2
1-methyl-2-pyrrolidinone	< 6	872-50-4

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt.%	CERCLA RQ
Benzeneamine, 4,4'methylenebis	40 - 50	10
Dibutylphthalate	50 - 60	10

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Benzeneamine, 4,4'methylenebis	101-77-9
Dibutylphthalate	84-74-2
1-methyl-2-pyrrolidinone	872-50-4

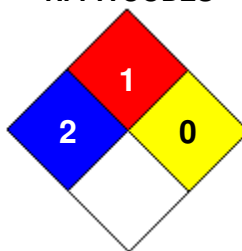
**TSCA STATUS:** Reported/included**CALIFORNIA PROPOSITION 65**

Chemical Name	Wt.%	Listed
Benzeneamine, 4,4'methylenebis	40 - 50	Cancer
Dibutylphthalate	50 - 60	<ul style="list-style-type: none"> <li>● Cancer</li> <li>● Developmental Toxicity</li> <li>● Female Reproductive</li> <li>● Male Reproductive</li> </ul>
1-methyl-2-pyrrolidinone	< 6	<ul style="list-style-type: none"> <li>● Cancer</li> <li>● Developmental Toxicity</li> </ul>

**16. OTHER INFORMATION****PREPARED BY:** W. Miller **Date Revised:** 07/22/2015**REVISION SUMMARY:** This SDS replaces the 02/05/2015 SDS. Revised: **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) - OTHER SHIPPING INFORMATION.

**HMIS RATING**

<b>HEALTH</b>	*	<b>2</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		

**NFPA CODES****MANUFACTURER DISCLAIMER:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BCC Products shall not be held liable for any damage resulting from handling or from contact with the above product.