

## NITOPRIME 60 PART B

Version 2.2

06/28/2006

### 1. PRODUCT AND COMPANY INFORMATION

Company : **BASF Building Systems**  
889 Valley Park Drive  
Shakopee, MN 55379

Telephone : 952-496-6000

Emergency telephone number : (800) 424-9300  
(703) 527-3887 (Outside Continental US)

Product name : NITOPRIME 60 PART B

MSDS ID No. : 10182

Product Use Description : Coating

### 2. HAZARDOUS INGREDIENTS

<u>Chemical</u>	<u>CAS No.</u>	<u>TLV</u>	<u>STEL</u>	<u>PEL</u>	<u>CEIL</u>	<u>Weight %</u>
N,N'-BIS(1,3-DIMETHYLBUTYLIDENE)ETHYLENEDIAMINE	25707-70-4		N.E.	N.E.	N.E.	60.00 - 100.00 %
TERTIARY AMINE	Unknown	N.E.	N.E.	N.E.	N.E.	7.00 - 13.00 %
ETHYLENEDIAMINE	107-15-3	10 ppm	N.E.	10 ppm	N.E.	5.00 - 10.00 %
BENZYL ALCOHOL	100-51-6	N.E.	N.E.	N.E.	N.E.	3.00 - 7.00 %
DIETHYLENETRIAMINE	111-40-0	1 ppm	N.E.	N.E.	N.E.	1.00 - 5.00 %
BISPHENOL-A	80-05-7	3 mg/m3	N.E.	5 mg/m3	N.E.	1.00 - 5.00 %
METHYL ISOBUTYL KETONE	108-10-1	50 ppm	75 ppm	100 ppm	N.E.	1.00 - 5.00 %

### 3. HAZARDS IDENTIFICATION

HMIS<sup>®</sup> Rating : HEALTH 3 FLAMMABILITY 2 PHYSICAL HAZARD 0

WHMIS Class : B3  
E

#### Effects of Overexposure

Inhalation : Can cause severe irritation and possible burns. Concentration above the admissible concentration at the workplace may cause dizziness, headache and inebriation. Prolonged inhalation can be harmful.

Skin : Can cause severe irritation and possible burns. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Components of the product may be absorbed into the body through the skin.

Eyes : Can cause severe irritation and is corrosive to the eye. Can cause permanent corneal

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injury and possible blindness.

Ingestion : Corrosive! Can cause severe and permanent damage to mouth, throat and stomach. Gastrointestinal burns, nausea, vomiting and diarrhea.

Chronic exposure : This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapors and/or the product contents (a process often called "sniffing") can be harmful or fatal.

**Carcinogenicity**

	ACGIH	IARC	NTP	OSHA
N,N'-BIS(1,3-DIMETHYLBUTYLIDENE)ETHYLENEDIAMINE	N.E.	N.E.	N.E.	N.E.
TERTIARY AMINE	N.E.	N.E.	N.E.	N.E.
ETHYLENEDIAMINE	Not classifiable as a human carcinogen.	N.E.	N.E.	N.E.
BENZYL ALCOHOL	N.E.	N.E.	N.E.	N.E.
DIETHYLENTRIAMINE	N.E.	N.E.	N.E.	N.E.
BISPHENOL-A	N.E.	N.E.	N.E.	N.E.
METHYL ISOBUTYL KETONE	N.E.	N.E.	N.E.	N.E.

**4. FIRST AID MEASURES**

- Eye contact : Seek medical advice. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Skin contact : Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Seek medical advice.
- Ingestion : If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. If a person vomits, place him/her in the recovery position. If conscious, drink plenty of water.
- Inhalation : Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention. Seek medical advice. If unconscious place in recovery position and seek medical advice.

**5. FIRE-FIGHTING MEASURES**

- Flash point : 140 °F (60 °C) Method: SETAFLASH
- Autoignition temperature : no data available
- Lower explosion limit : no data available
- Upper explosion limit : no data available
- Suitable extinguishing media : water fog  
foam  
dry chemical

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- carbon dioxide (CO<sub>2</sub>)
- Fire and Explosion Hazards : Combustible Liquid. Can form explosive mixtures at temperatures at or above the flashpoint. Do not use a solid water stream as it may scatter and spread fire. Containers can build up pressure if exposed to heat (fire). Containers exposed to fire should be kept cool with water spray.
- Protective equipment : As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

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### 6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up : Ventilate the area and remove all sources of ignition. Evacuate unnecessary personnel. Take action to eliminate source of leak. Large spills should be handled carefully. Put on respiratory protection and necessary personal protective equipment. Dike or impound spilled Liquid. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

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### 7. HANDLING AND STORAGE

- Handling : Keep out of reach of children. Use only in area provided with appropriate ventilation. Avoid exceeding of the given occupational exposure limits (see section 2). In case of insufficient ventilation, wear suitable respiratory equipment.
- Storage : Keep containers tightly closed in a cool, well-ventilated place.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Eye protection : Wear as appropriate:  
safety glasses with side-shields  
tightly fitting safety goggles  
face-shield
- Hand protection : Wear as appropriate:  
Wear Chemically resistant gloves.
- Body Protection : Wear as appropriate:  
Chemically resistant clothes
- Respiratory protection : When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators. Apply technical measures to comply with the occupational exposure limits.
- Hygienic Practices : When using, do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.
- Engineering Controls : Local exhaust ventilation can be necessary to control any air contaminants to within their TLVs during the use of this product.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Color	:	amber
Physical State	:	liquid
Odor	:	mild
pH	:	not applicable
Odor Threshold	:	no data available
Vapor Pressure	:	no data available
Vapor Density	:	> 1 (Air = 1)
Boiling point/range	:	no data available
Freeze Point	:	no data available
Water solubility	:	partly soluble
Specific Gravity	:	0.8747
Viscosity	:	20 cP
Evaporation rate	:	no data available
Partition coefficient (n-octanol/water)	:	no data available
VOC Concentration as applied (less water and exempt solvents)	:	0 g/l Note: VOC concentration expressed as applied when all components are mixed and applied per manufacturer's instructions.

**10. STABILITY AND REACTIVITY**

Stability	:	Stable under recommended storage conditions.
Conditions to avoid	:	Heat, flames and sparks.
Materials to avoid	:	Incompatible with oxidizing agents. Incompatible with strong acids and bases.
Hazardous decomposition products	:	no data available
Hazardous polymerization	:	Will not occur under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

<b>Acute inhalation toxicity</b>	<u>Type</u>	<u>Value</u>	<u>Species</u>	<u>Exposure time</u>
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Product LC50 no data available

Component

N,N'-BIS(1,3-DIMETHYLBUTYLIDENE)ETHYLENEDIAMINE	LC50	no data available
TERTIARY AMINE	LC50	no data available
ETHYLENEDIAMINE	LC50	no data available
BENZYL ALCOHOL	LC50	no data available
DIETHYLENETRIAMINE	LC50	no data available
BISPHENOL-A	LC50	no data available
METHYL ISOBUTYL KETONE	LC50	no data available

**Acute oral toxicity**

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>
	LD50 (Oral)	no data available	

Component

N,N'-BIS(1,3-DIMETHYLBUTYLIDENE)ETHYLENEDIAMINE	LD50 (Oral)	no data available	
TERTIARY AMINE	LD50 (Oral)	5,000 mg/kg	rat
ETHYLENEDIAMINE	LD50 (Oral)	6,800 mg/kg	
BENZYL ALCOHOL	LD50 (Oral)	no data available	
DIETHYLENETRIAMINE	LD50 (Oral)	470 mg/kg	
BISPHENOL-A	LD50 (Oral)	no data available	
METHYL ISOBUTYL KETONE	LD50 (Oral)	no data available	

**Acute dermal toxicity**

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>
	LD50 (Dermal)	no data available	

Component

N,N'-BIS(1,3-DIMETHYLBUTYLIDENE)ETHYLENEDIAMINE	LD50 (Dermal)	no data available	
TERTIARY AMINE	LD50 (Dermal)	no data available	
ETHYLENEDIAMINE	LD50 (Dermal)	730 mg/kg	rabbit
BENZYL ALCOHOL	LD50 (Dermal)	2,000 mg/kg	rabbit
DIETHYLENETRIAMINE	LD50 (Dermal)	1,090 mg/kg	rabbit
BISPHENOL-A	LD50 (Dermal)	3,000 mg/kg	rabbit
METHYL ISOBUTYL KETONE	LD50 (Dermal)	no data available	

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### 12. ECOLOGICAL INFORMATION

Ecotoxicological Information : There is no data available for this product.

### 13. DISPOSAL CONSIDERATIONS

Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

### 14. TRANSPORT INFORMATION

DOT	: Proper shipping name	Amines, liquid, corrosive, flammable, n.o.s. (ETHYLENEDIAMINE, METHYL ISOBUTYL KETONE)
	UN-No	<b>2734</b>
	Class	8
	Subclass	3
	Packaging group	II
	Primary Label	Corrosive
	Subsidiary Label	Flammable liquid
IATA	: Proper shipping name	Amines, liquid, corrosive, flammable, n.o.s. (ETHYLENEDIAMINE, METHYL ISOBUTYL KETONE)
	UN-No	<b>2734</b>
	Class	8
	Subclass	3
	Packaging group	II
	Primary Label	Corrosive
	Subsidiary Label	Flammable liquid

### 15. REGULATORY INFORMATION

#### SARA 311/312 (RTK)

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

FIRE HAZARD IMMEDIATE (ACUTE) HEALTH HAZARD DELAYED (CHRONIC) HEALTH HAZARD

#### SARA 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<u>Weight %</u>	<u>CAS No.</u>	<u>Chemical Name</u>
1.00 - 5.00 %	80-05-7	BISPHENOL-A
1.00 - 5.00 %	108-10-1	METHYL ISOBUTYL KETONE

#### CERCLA

CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

# Material Safety Data Sheet



The Chemical Company

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<u>RQ</u>	<u>CAS No.</u>	<u>Chemical Name</u>
5,000 lbs	107-15-3	ETHYLENEDIAMINE
5,000 lbs	108-10-1	METHYL ISOBUTYL KETONE

### TSCA Section 12(b) Export Notification

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

<u>CAS No.</u>	<u>Chemical Name</u>
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There are no TSCA 12(b) Chemicals in this product.

### California Proposition 65

The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at < 0.1%:

<u>CAS No.</u>	<u>Chemical Name</u>
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There are no Proposition 65 chemicals known to exist in this product.

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## 16. OTHER INFORMATION

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Legend : N.E. - Not Established  
TLV - Threshold Limit Value  
STEL - Short Term Exposure Limit  
PEL - Permissible Exposure Limit  
CEIL - Ceiling

Prepared By : Environment, Health and Safety Department

This information is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of the manufacturer's knowledge, or is obtained from sources believed by the manufacturer to be accurate and is not intended to be all inclusive. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. The manufacturer assumes no responsibility for injuries proximately caused by use of the Material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally, the manufacturer assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the Material.

End of MSDS.