

Safety data sheet

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BASF Safety data sheet according to 91/155/EEC

Date / Revised: 2008/01/02

Product: **B451 CURING AGENT**

Version: 1.0

(30367490/MDS_GEN_US/EN)

Date of print 15.09.2010

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

B451 CURING AGENT

Use: Product for construction chemicals

Company:

BASF CORPORATION

100 Campus Drive

Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Telefax number: +1 973 245-6839

E-mail address: msds@basf.com

Emergency information:

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP

2. HAZARDOUS INGREDIENTS:	CASNO	TLV	STEL	PEL	CONTENT
Nonyl Phenol (NP)	84852-15-3	None	None	None	40-55%
m-Xylene diamine	1477-55-0	None	0.1 mg/m ³	None	35-55%
Isphorone diamine	2855-13-2	None	None	None	5-25%

(*) Refer to Section 7 for available LD/LC(50) Health Hazard Data.

3. PHYSICAL DATA:

Boiling Point (°C):	> 210	Water/Oil Distribution	
Percent VOC (w/w):	ca. 0	Coefficient:	N/Av
Freezing Point (°C):	N/Av	Solubility in Water:	None

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Vapor Pressure mmHg @20 (°C):	N/Av	Specific Gravity:	0.95
Vapor Density:	> Air	pH:	N/Av
Odor Threshold: (ppm)	N/Av	Evaporation Rate:	N/Av
Appearance: Clear to amber liquid		Odor: Fish	
N/Av = Not Available	N/Av = Not Applicable		ca. = Approximate

4. **FIRE AND EXPLOSION HAZARD DATA:** HMIS Hazard Rating No. 1 (Slight)

Flash Point: >98 °C (>200 °F) Method: Pensky-Martens C.C.

Auto-Ignition Temperature: Not Available

Limits of Flammability: LEL: Not available UEL: Not available

Extinguishing Media: Carbon dioxide, foam, dry chemical & water fog.

Special Fire & Unusual Hazards: At higher temperature vapors can cause pressure build up in sealed containers. Use water to cool containers exposed to fire. Self-contained respirator equipment and full protective clothing required when smoke or fumes are generated. Electrical grounding is not recommended.

5. **REACTIVITY DATA:** HMIS Hazard Rating No. 0 (Minimal)

Stability: Stable. Not sensitive to mechanical impact. Excessive heat, fumes and smoke can occur if this product is not mixed and used according to directions.

Incompatibility: Strong oxidizing agents, acids, isocyanates and organic peroxides may result in violent explosive reaction.

Hazardous Decomposition Products: Oxides of carbon and nitrogen; aldehydes; and various unknown hydrocarbons from incomplete combustion.

Hazardous Polymerization: Will not occur when handled per instructions.

6. **ENVIRONMENTAL AND DISPOSAL INFORMATION:**

Action To Take For Spills/Leaks: Ventilate area, eliminate all sources of ignition. Wear appropriate protective gear, contain leak or spill, salvage, cleanup residue with absorbent material. Wash down area with water and diluted acetic acid.

Waste Disposal Method: Handle disposal of waste material in accordance with local, state, province and federal regulation. Incineration at agency approved waste-disposal facilities.

7. **HEALTH HAZARD DATA:** HMIS Hazard Rating No. 3 (Serious)

PRIMARY ROUTE OF ENTRY: Dermal, Eyes, Ingestion

Effects Of Overexposure

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Inhalation: Low degree of volatility. At higher temperatures, vapors generated are very disagreeable. This material may result in irritation of throat, lungs and allergic type reaction or sensitization response in some individuals.

LC (50) Inhal: CASRN 1477-55-0 700 ppm/1hrs. Rat.

Eyes: Contact may cause severe irritation and possible corneal damage.

Skin Contact: Short single exposure may cause moderate irritation to mild burn. Prolonged or repeated exposure may cause a moderate to severe burn. This material may result in an allergic type reaction or sensitization response in some individuals.

7. HEALTH HAZARD DATA: (cont'd)

Effects Of Overexposure (cont'd)

Skin Absorption: May be absorbed through skin in sufficient quantity to cause slight increase overall toxicity.

LD (50) Dermal CASRN 1477-55-0 2000 mg/kg Rabbit.
 25154-52-3 2140 mg/kg Rabbit.

Ingestion: Intake may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. May result in burns of mouth, esophagus and stomach.

LD (50) Oral CASRN 25154-52-3 1620 mg/kg Rat.

Chronic: Product does not contain carcinogenic materials as defined by OSHA Hazardous Communications Act 1910.1200.

Materials are not known mutagenic, teratogenic, or reproductive health hazards.

8. FIRST AID:

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek medical attention.

Eyes: Flush eyes with water and or 1% boric acid, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

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Skin: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse. Destroy contaminated leather shoes.

Ingestion: Do **NOT** induce vomiting; give large quantities of water or water diluted with acetic acid; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do **NOT** give anything by mouth to an unconscious person.

9. **SPECIAL PROTECTION INFORMATION:**

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of heavy vapors. If material is above 60 °C (140 °F) a positive pressure breathing apparatus is recommended.

Personal Protection Equipment: Do **NOT** wear contact lenses when working with this material. Use chemical goggles/safety glasses with side shields and Rubber/Nitrile gloves. Selection of specific items such as boots and apron will depend on operation. Wear respirator protection whenever airborne concentrations exceed TLV or TWA limits. Use NIOSH/OSHA approved respirators equipped with an organic vapor cartridge for listed hazard.

9. **SPECIAL PROTECTION INFORMATION:** (cont'd)

Confined spaces, rooms, or tanks are areas where concern for TLV's is especially important. Reference OSHA Regulation CFR 29 1910.134 for recommended respiratory protection.

10. **ADDITIONAL INFORMATION:**

Average Shelf Life: Refer to Product Data Sheet.

Special Instructions: Store in cool, dry place.

REGULATORY INFORMATION:

Title III Section 302: No reportable chemicals.

Title III Section 311/312: Health hazard: Immediate
 Physical hazard: None

Title III Section 313: None above de minimis.

State: California No reportable chemicals.

WHMIS Classification: Class D, Div. 2, Sub B
 Class E

Canadian Domestic Substance List: All chemicals are listed.

TRANSPORTATION

National Motor Freight Classification (NMFC): 46030 Sub: - Class: 55

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Description: REGULATED - USE DOT PROPER SHIPPING NAME

Emergency Response Guide Page No.: 154

DOT Reportable Quantity: 0 LB.

Proper Shipping Name: CORROSIVE LIQUID, N.O.S.

(Contains: ISOPHORONE DIAMINE; NONYLPHENOL)

UNNO: UN 1760

Class: 8

Package Group: III

Label: CORROSIVE

Sub-Label: NONE

10. ADDITIONAL INFORMATION: (cont'd)

Marine Pollutant: P (NONYL PHENOL)

P = Moderate
NL = Not ListedPP = Severe
ND = Not Determined

WS = Water Sheen

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.