

# Material Safety Data Sheet

Material Name: MONDO EP-55 - PART A

ID: SAH00538

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Material Name:** MONDO EP-55 - PART A

**Product Use**

Adhesive

**Manufacturer Information**

USA and Puerto Rico

**MAPEI**

1144 East Newport Center Drive

Deerfield Beach, FL 33442

Phone: 1-954-246-8888

Canada

**MAPEI**

2900 Francis-Hughes Avenue

Laval, QC H7L 3J5

Phone: 1-450-662-1212

IN THE EVENT OF A CHEMICAL EMERGENCY INVOLVING A SPILL, LEAK, FIRE, EXPLOSION, EXPOSURE OR ACCIDENT, CONTACT THE FOLLOWING NUMBERS:

Emergency 24 hour numbers:

(USA) CHEMTREC 1-800-424-9300

(Canada) CANUTEC 1-613-996-6666

## \*\*\* Section 2 - Hazards Identification \*\*\*

**Emergency Overview**

This product has been evaluated using criteria specified in 29CFR 1910.1200 (Hazard Communication Standard).

This product is irritating to the eyes and skin. This product may cause sensitization by skin contact.

**Hazard Statements**

CAUTION! IRRITANT. ALLERGEN. Irritating to eyes and skin. May cause sensitization by skin contact. Wear suitable gloves and eye/face protection. Keep out of the reach of children.

**Potential Health Effects: Eyes**

This product is irritating to the eyes.

**Potential Health Effects: Skin**

This product is irritating to the skin. Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.

**Potential Health Effects: Ingestion**

Acute ingestion may result in mild gastrointestinal distress.

**Potential Health Effects: Inhalation**

This product may cause irritation to the respiratory system.

**Medical Conditions Aggravated by Exposure**

Hypersensitivity to product, allergies, and skin or respiratory disorders

**Potential Environmental Effects**

None identified.

**HMIS Ratings: Health: 2 Fire: 0 Physical Hazard: 0 Pers. Prot.:** Safety glasses, gloves

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

# Material Safety Data Sheet

Material Name: MONDO EP-55 - PART A

ID: SAH00538

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
1317-65-3	Limestone	30-60
25085-99-8	Epoxy resin	15-40
2210-79-9	o-Cresylglycidyl ether	5-10
27138-31-4	Dipropylene glycol dibenzoate	3-7
67762-90-7	Dimethyl silicone polymer with silica	0.5-1.5

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

### First Aid: Skin

Flush with large amounts of water. If irritation persists, get medical attention.

### First Aid: Ingestion

Flush out mouth with water. If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting.

### First Aid: Inhalation

Immediately remove the affected person to fresh air. If symptoms persist, get medical attention.

### First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.

Closed containers may rupture due to a build-up of pressure when exposed to extreme heat.

### Hazardous Combustion Products

Irritating and toxic gases or fumes may be released during a fire. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

### Extinguishing Media

Dry chemical (preferred), foam, water.

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

**NFPA Ratings: Health: 2 Fire: 0 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Personal Precautions

Wear appropriate protective equipment and clothing during clean-up.

### Containment Procedures

Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Scoop up used absorbent into drums or other appropriate container.

### Environmental Precautions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

# Material Safety Data Sheet

Material Name: MONDO EP-55 - PART A

ID: SAH00538

## Clean-Up Procedures

Attempt to reclaim the free product, if this is possible. Shovel the material into waste container. Thoroughly wash the area with water after a spill or leak clean-up. Wear appropriate protective equipment and clothing during clean-up.

## Evacuation Procedures

None identified.

## Special Procedures

Regulations vary. Consult local authorities before disposal.

## \* \* \* Section 7 - Handling and Storage \* \* \*

### Handling Procedures

Avoid getting this material into contact with your skin and eyes. Use this product with adequate ventilation. Wash hands after handling and before eating. Keep out of the reach of children.

### Storage Procedures

Store at ambient temperature and atmospheric pressure. Store away from strong oxidizers.

## \* \* \* Section 8 - Exposure Controls / Personal Protection \* \* \*

### A: Component Exposure Limits

#### Limestone (1317-65-3)

OSHA:	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
NIOSH:	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Alberta:	10 mg/m3 TWA
British Columbia:	10 mg/m3 TWA (total dust); 3 mg/m3 TWA (respirable fraction) 20 mg/m3 STEL
New Brunswick:	10 mg/m3 TWA (particulate matter containing no asbestos and < 1% crystalline silica)
NW Territories:	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)
Nunavut:	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)
Quebec:	10 mg/m3 TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)
Saskatchewan:	20 mg/m3 STEL 10 mg/m3 TWA
Yukon:	20 mg/m3 STEL 30 mppcf TWA; 10 mg/m3 TWA

### Engineering Controls

Use general ventilation.

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields.

#### Personal Protective Equipment: Skin

The use of nitrile-latex gloves is recommended. Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves. May cause sensitization by skin contact.

#### Personal Protective Equipment: Respiratory

Not normally needed. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

#### Personal Protective Equipment: General

Launder contaminated clothing before reuse. Use good industrial hygiene practices in handling this material.

# Material Safety Data Sheet

Material Name: MONDO EP-55 - PART A

ID: SAH00538

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b>	Liquid	<b>Odor:</b>	Epoxy odor
<b>Physical State:</b>	Liquid	<b>pH:</b>	N/A
<b>Vapor Pressure:</b>	N/A	<b>Vapor Density:</b>	N/A
<b>Boiling Point:</b>	N/A	<b>Melting Point:</b>	N/A
<b>Solubility (H2O):</b>	Insoluble	<b>Specific Gravity:</b>	N/A
<b>Evaporation Rate:</b>	N/A	<b>VOC:</b>	6 g/L (mixture)
<b>Octanol/H2O Coeff.:</b>	N/A	<b>Flash Point:</b>	N/A
<b>Flash Point Method:</b>	N/A	<b>Upper Flammability Limit (UFL):</b>	N/A
<b>Lower Flammability Limit (LFL):</b>	N/A	<b>Burning Rate:</b>	N/A
<b>Auto Ignition:</b>	N/A		

### Physical Properties: Additional Information

The data provided in this section is to be used for product safety handling purposes. Please refer to Product Data Sheets, Certificates of Conformity or Certificates of Analysis for chemical and physical data for determinations of quality and for formulation purposes.

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

This is a stable material.

### Chemical Stability: Conditions to Avoid

Do not freeze.

### Incompatibility

This product may react with strong oxidizing agents.

### Hazardous Decomposition

Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

### Possibility of Hazardous Reactions

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Dose Effects

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - LD50/LC50

##### o-Cresylglycidyl ether (2210-79-9)

Inhalation LC50 Rat 6090 mg/m<sup>3</sup> 4 h; Oral LD50 Rat 4 g/kg

### Carcinogenicity

#### A: General Product Information

No information available for the product.

#### B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### Sensitization

This product may be sensitizing by prolonged skin contact.

# Material Safety Data Sheet

Material Name: MONDO EP-55 - PART A

ID: SAH00538

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### A: General Product Information

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

#### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

### Disposal Instructions

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### International Transportation Regulations

Not regulated as dangerous goods.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### A: General Product Information

All of the components of this product are listed on, or are exempted from listing on the U.S. EPA TSCA Inventory of Chemical Substances. All components of this product are included, or are exempt from inclusion, in the Canadian Domestic Substance List unless otherwise noted.

#### B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

### State Regulations

#### A: General Product Information

Other state regulations may apply. Check individual state requirements.

#### B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Limestone	1317-65-3	No	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):  
WARNING! This product contains a chemical known to the state of California to cause cancer.

# Material Safety Data Sheet

Material Name: MONDO EP-55 - PART A

ID: SAH00538

## Canadian WHMIS Information

### A: General Product Information



D2B

### B: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

## Additional Regulatory Information

### A: General Product Information

Supplier(s) of proprietary component(s) state that these components are contained on the TSCA inventory.

### B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Limestone	1317-65-3	Yes	NDSL	EINECS
Epoxy resin	25085-99-8	Yes	DSL	No
o-Cresylglycidyl ether	2210-79-9	Yes	DSL	EINECS
Dipropylene glycol dibenzoate	27138-31-4	Yes	DSL	EINECS
Dimethyl silicone polymer with silica	67762-90-7	Yes	DSL	No

## \* \* \* Section 16 - Other Information \* \* \*

### Reference

Q1-1574-06

### Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

### MSDS History

Revision 1.0000-2.0000

This MSDS has been revised in the following section(s):

Section 16 - Other Information

# Material Safety Data Sheet

Material Name: MONDO EP-55 - PART A

ID: SAH00538

## Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; BLV=Biological Limit Values; CAN = Canadian DSL and NDSL Inventories status; CAS = Chemical Abstracts Service; CC = Closed Cup; CFR = Code of Federal Regulations; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EPA = Environmental Protection Agency; EU = European Union; g/L = grams per Liter; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; mg/kg = milligrams per kilogram; mg/L = milligrams per Liter; mg/m3 = milligrams per Cubic Meter; NA, N/A, S.O. = Not available or Not Applicable; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NIOSH = National Institute for Occupational Safety and Health; NJTSR = New Jersey Trade Secret Registry; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; OC = Open Cup; OSHA = Occupational Safety and Health Administration; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average; TWAEV = Time Weighted Average Exposure Value; WHMIS = Workplace Hazardous Materials Information System

End of Sheet SAH00538

# Material Safety Data Sheet

Material Name: MONDO EP 55 - PART B

ID: SAH00539

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Material Name:** MONDO EP 55 - PART B

### Product Use

Adhesive

### Manufacturer Information

USA and Puerto Rico

**MAPEI**

1144 East Newport Center Drive

Deerfield Beach, FL 33442

Phone: 1-954-246-8888

Canada

**MAPEI**

2900 Francis-Hughes Avenue

Laval, QC H7L 3J5

Phone: 1-450-662-1212

IN THE EVENT OF A CHEMICAL EMERGENCY INVOLVING A SPILL, LEAK, FIRE, EXPLOSION, EXPOSURE OR ACCIDENT, CONTACT THE FOLLOWING NUMBERS:

Emergency 24 hour numbers:

(USA) CHEMTREC 1-800-424-9300

(Canada) CANUTEC 1-613-996-6666

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

This product has been evaluated using criteria specified in 29CFR 1910.1200 (Hazard Communication Standard). Contact with this material will cause irritation and burns to the skin and eyes.

### Hazard Statements

DANGER! CORROSIVE. Causes burns to the skin and eyes. Irritating to skin. Vapor harmful. This product may be harmful if it is swallowed. Wear suitable gloves, eye/face protection, and respiratory protection. Keep out of the reach of children.

### Potential Health Effects: Eyes

This product is severely irritating to the eyes and may cause eye burns.

### Potential Health Effects: Skin

This product is severely irritating to the skin and may cause burns.

### Potential Health Effects: Ingestion

This product may be harmful if it is swallowed. Ingestion of this product may cause nausea, vomiting and diarrhea.

### Potential Health Effects: Inhalation

This product is irritating to the respiratory system.

### Medical Conditions Aggravated by Exposure

Hypersensitivity to product, allergies, and skin or respiratory disorders

### Potential Environmental Effects

None identified.

**HMIS Ratings: Health: 3 Fire: 1 Physical Hazard: 1 Pers. Prot.:** Safety glasses, gloves, synthetic apron, vapor respirator if airborne concentrations exceed exposure limits

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard



# Material Safety Data Sheet

Material Name: MONDO EP 55 - PART B

ID: SAH00539

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
68410-23-1	Polyamide resin	30-60
84852-15-3	4-Nonylphenol, branched	10-30
111-40-0	Diethylene triamine	10-30
80-05-7	4,4'-Isopropylidenediphenol	10-30
112-24-3	Triethylene tetramine	3-7
100-51-6	Benzyl alcohol	0.5-1.5

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

Get medical attention or advice. Immediately flush eyes with plenty of water for at least 15 minutes.

### First Aid: Skin

Get medical attention or advice. Flush with large amounts of water.

### First Aid: Ingestion

Get medical attention or advice. Flush out mouth with water. Do not induce vomiting.

### First Aid: Inhalation

Immediately remove the affected person to fresh air. If symptoms persist, get medical attention.

### First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.

This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a moderate fire hazard.

### Hazardous Combustion Products

Irritating and toxic gases or fumes may be released during a fire. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

### Extinguishing Media

Dry chemical (preferred), foam, water.

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

**NFPA Ratings: Health: 3 Fire: 1 Reactivity: 1**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Personal Precautions

Wear appropriate protective equipment and clothing during clean-up.

### Containment Procedures

Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Scoop up used absorbent into drums or other appropriate container.

# Material Safety Data Sheet

Material Name: MONDO EP 55 - PART B

ID: SAH00539

## Environmental Precautions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

## Clean-Up Procedures

Attempt to reclaim the free product, if this is possible. Shovel the material into waste container. Thoroughly wash the area with water after a spill or leak clean-up. Keep out of the reach of children.

## Evacuation Procedures

None identified.

## Special Procedures

Regulations vary. Consult local authorities before disposal.

## \* \* \* Section 7 - Handling and Storage \* \* \*

### Handling Procedures

Avoid getting this material into contact with your skin and eyes. Avoid breathing vapors or mists of this product. Wash hands after handling and before eating. Keep out of the reach of children.

### Storage Procedures

Store in a cool, dry, well-ventilated area. Store at ambient temperature and atmospheric pressure. Store away from strong oxidizers.

## \* \* \* Section 8 - Exposure Controls / Personal Protection \* \* \*

### A: Component Exposure Limits

#### Diethylene triamine (111-40-0)

ACGIH:	Skin - potential significant contribution to overall exposure by the cutaneous route 1 ppm TWA
OSHA:	1 ppm TWA; 4 mg/m <sup>3</sup> TWA
NIOSH:	1 ppm TWA; 4 mg/m <sup>3</sup> TWA Potential for dermal absorption
Alberta:	1 ppm TWA; 4.2 mg/m <sup>3</sup> TWA Substance may be readily absorbed through intact skin
British Columbia:	Sensitizer 1 ppm TWA Skin notation
Manitoba:	1 ppm TWA
New Brunswick:	1 ppm TWA; 4.2 mg/m <sup>3</sup> TWA Skin - potential for cutaneous absorption
NW Territories:	1 ppm TWA; 4 mg/m <sup>3</sup> TWA 3 ppm STEL; 13 mg/m <sup>3</sup> STEL Skin notation
Nova Scotia:	1 ppm TWA Skin - potential significant contribution to overall exposure by the cutaneous route
Nunavut:	1 ppm TWA; 4 mg/m <sup>3</sup> TWA 3 ppm STEL; 13 mg/m <sup>3</sup> STEL Skin notation
Ontario:	1 ppm TWA Absorption through skin, eyes, or mucous membranes
Quebec:	1 ppm TWAEV; 4.2 mg/m <sup>3</sup> TWAEV Skin designation
Saskatchewan:	2 ppm STEL 1 ppm TWA
Yukon:	Skin notation 1 ppm STEL; 4 mg/m <sup>3</sup> STEL 1 ppm TWA; 4 mg/m <sup>3</sup> TWA

# Material Safety Data Sheet

Material Name: MONDO EP 55 - PART B

ID: SAH00539

## 4,4'-Isopropylidenediphenol (80-05-7)

Yukon: 0.05 ppm Ceiling; 2.8 mg/m<sup>3</sup> Ceiling

## Triethylene tetramine (112-24-3)

Ontario: 0.5 ppm TWA; 3 mg/m<sup>3</sup> TWA  
Absorption through skin, eyes, or mucous membranes

### Engineering Controls

Use general ventilation.

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields.

#### Personal Protective Equipment: Skin

The use of nitrile-latex gloves is recommended.

#### Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

#### Personal Protective Equipment: General

Launder contaminated clothing before reuse. Use good industrial hygiene practices in handling this material.

## \* \* \* Section 9 - Physical & Chemical Properties \* \* \*

<b>Appearance:</b>	Liquid	<b>Odor:</b>	Epoxy odor
<b>Physical State:</b>	Liquid	<b>pH:</b>	N/A
<b>Vapor Pressure:</b>	N/A	<b>Vapor Density:</b>	N/A
<b>Boiling Point:</b>	N/A	<b>Melting Point:</b>	N/A
<b>Solubility (H<sub>2</sub>O):</b>	Insoluble	<b>Specific Gravity:</b>	N/A
<b>Evaporation Rate:</b>	N/A	<b>VOC:</b>	6 g/L (mixture)
<b>Octanol/H<sub>2</sub>O Coeff.:</b>	N/A	<b>Flash Point:</b>	N/A
<b>Flash Point Method:</b>	N/A	<b>Upper Flammability Limit (UFL):</b>	N/A
<b>Lower Flammability Limit (LFL):</b>	N/A	<b>Burning Rate:</b>	N/A
<b>Auto Ignition:</b>	N/A		

### Physical Properties: Additional Information

The data provided in this section is to be used for product safety handling purposes. Please refer to Product Data Sheets, Certificates of Conformity or Certificates of Analysis for chemical and physical data for determinations of quality and for formulation purposes.

## \* \* \* Section 10 - Chemical Stability & Reactivity Information \* \* \*

### Chemical Stability

Stable under normal conditions.

### Chemical Stability: Conditions to Avoid

Do not freeze.

### Incompatibility

This product may react with strong acids, bases and oxidizing agents.

### Hazardous Decomposition

Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Upon decomposition, this product may emit fumes of carbon monoxide, carbon dioxide, oxides of nitrogen, and other organic compounds.

# Material Safety Data Sheet

Material Name: MONDO EP 55 - PART B

ID: SAH00539

## Possibility of Hazardous Reactions

Will not occur.

## \* \* \* Section 11 - Toxicological Information \* \* \*

### Acute Dose Effects

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - LD50/LC50

##### 4-Nonylphenol, branched (84852-15-3)

Oral LD50 Rat 580 mg/kg; Dermal LD50 Rabbit 2031 mg/kg

##### Diethylene triamine (111-40-0)

Oral LD50 Rat 819 mg/kg; Dermal LD50 Rabbit 672 mg/kg

##### 4,4'-Isopropylidenediphenol (80-05-7)

Oral LD50 Rat 3200 mg/kg; Dermal LD50 Rabbit 3000 mg/kg

##### Triethylene tetramine (112-24-3)

Oral LD50 Rat 2500 mg/kg; Dermal LD50 Rabbit 550 mg/kg

##### Benzyl alcohol (100-51-6)

Inhalation LC50 Rat 8.8 mg/L 4 h; Oral LD50 Rat 1230 mg/kg; Dermal LD50 Rabbit 2000 mg/kg

### Carcinogenicity

#### A: General Product Information

No information available for the product.

#### B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### Sensitization

No information available for the product.

## \* \* \* Section 12 - Ecological Information \* \* \*

### Ecotoxicity

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

##### 4-Nonylphenol, branched (84852-15-3)

Test & Species	Conditions
96 Hr LC50 Pimephales promelas	0.135 mg/L [flow-through]
96 Hr LC50 Lepomis macrochirus	0.1351 mg/L [flow-through]
96 Hr EC50 Pseudokirchneriella subcapitata	0.36 - 0.48 mg/L [static]
72 Hr EC50 Pseudokirchneriella subcapitata	0.16 - 0.72 mg/L [static]
72 Hr EC50 Desmodesmus subspicatus	1.3 mg/L

# Material Safety Data Sheet

Material Name: MONDO EP 55 - PART B

ID: SAH00539

48 Hr EC50 Daphnia magna 0.14 mg/L

## Diethylene triamine (111-40-0)

### Test & Species

### Conditions

96 Hr LC50 Leuciscus idus	430 mg/L [semi-static]
96 Hr LC50 Poecilia reticulata	248 mg/L [static]
96 Hr LC50 Poecilia reticulata	1014 mg/L [semi-static]
72 Hr EC50 Pseudokirchneriella subcapitata	1164 mg/L
96 Hr EC50 Pseudokirchneriella subcapitata	345.6 mg/L
96 Hr EC50 Desmodesmus subspicatus	592 mg/L
24 Hr EC50 Daphnia magna	37 mg/L
48 Hr EC50 Daphnia magna	16 mg/L

## 4,4'-Isopropylidenediphenol (80-05-7)

### Test & Species

### Conditions

96 Hr LC50 Pimephales promelas	3.6 - 5.4 mg/L [flow-through]
96 Hr LC50 Pimephales promelas	4.0 - 5.5 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	4 mg/L
96 Hr LC50 Brachydanio rerio	9.9 mg/L [static]
96 Hr EC50 Pseudokirchneriella subcapitata	2.5 mg/L
48 Hr EC50 Daphnia magna	10.2 mg/L
48 Hr EC50 Daphnia magna	3.9 mg/L
48 Hr EC50 Daphnia magna	9.2 - 11.4 mg/L [Static]

## Triethylene tetramine (112-24-3)

### Test & Species

### Conditions

96 Hr LC50 Poecilia reticulata	570 mg/L [semi-static]
96 Hr LC50 Pimephales promelas	495 mg/L
72 Hr EC50 Desmodesmus subspicatus	2.5 mg/L
72 Hr EC50 Pseudokirchneriella subcapitata	20 mg/L
96 Hr EC50 Pseudokirchneriella subcapitata	3.7 mg/L
48 Hr EC50 Daphnia magna	31.1 mg/L

## Benzyl alcohol (100-51-6)

### Test & Species

### Conditions

96 Hr LC50 Pimephales promelas	460 mg/L [static]
96 Hr LC50 Lepomis macrochirus	10 mg/L [static]
3 Hr EC50 Anabaena variabilis	35 mg/L
48 Hr EC50 water flea	23 mg/L

# Material Safety Data Sheet

Material Name: MONDO EP 55 - PART B

ID: SAH00539

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### A: General Product Information

No additional information available.

#### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

### Disposal Instructions

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### DOT Information

**Shipping Name:** Corrosive liquids, n.o.s. ( 4-Nonylphenol, branched , Diethylene triamine )

**UN/NA #:** UN1760 **Hazard Class:** 8 **Packing Group:** III

**Marine Pollutant** (( 4-Nonylphenol, branched)

### IMDG Information

**Shipping Name:** Corrosive liquid, n.o.s. ( 4-Nonylphenol, branched , Diethylene triamine )

**UN #:** UN1760 **Hazard Class:** 8 **Packing Group:** III

**Marine Pollutant** (( 4-Nonylphenol, branched)

### TDG Information

**Shipping Name:** Corrosive liquid, n.o.s. ( 4-Nonylphenol, branched , Diethylene triamine )

**UN/NA #:** UN1760 **Hazard Class:** 8 **Packing Group:** III

**Marine Pollutant** (( 4-Nonylphenol, branched)

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### A: General Product Information

All components are on the U.S. EPA TSCA Inventory List. All components of this product are included, or are exempt from inclusion, in the Canadian Domestic Substance List unless otherwise noted.

#### B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

#### **4,4'-Isopropylidenediphenol (80-05-7)**

SARA 313: 1.0 % de minimis concentration

# Material Safety Data Sheet

Material Name: MONDO EP 55 - PART B

ID: SAH00539

## C: Component Marine Pollutants

This material contains one or more of the following chemicals required by US DOT to be identified as marine pollutants.

Component	CAS #	
4-Nonylphenol, branched	84852-15-3	DOT regulated marine pollutant

## State Regulations

### A: General Product Information

Other state regulations may apply. Check individual state requirements.

### B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Diethylene triamine	111-40-0	Yes	Yes	Yes	Yes	Yes	No
4,4'-Isopropylidenediphenol	80-05-7	No	Yes	No	Yes	Yes	No
Triethylene tetramine	112-24-3	No	Yes	No	Yes	Yes	No
Benzyl alcohol	100-51-6	No	Yes	Yes	No	Yes	No

## Canadian WHMIS Information

### A: General Product Information



D2B, E

### B: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Diethylene triamine	111-40-0	0.1 %
4,4'-Isopropylidenediphenol	80-05-7	1 %
Triethylene tetramine	112-24-3	0.1 %

## Additional Regulatory Information

### A: General Product Information

Supplier(s) of proprietary component(s) state that these components are contained on the TSCA inventory.

# Material Safety Data Sheet

Material Name: MONDO EP 55 - PART B

ID: SAH00539

## B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Polyamide resin	68410-23-1	Yes	DSL	No
4-Nonylphenol, branched	84852-15-3	Yes	DSL	EINECS
Diethylene triamine	111-40-0	Yes	DSL	EINECS
4,4'-Isopropylidenediphenol	80-05-7	Yes	DSL	EINECS
Triethylene tetramine	112-24-3	Yes	DSL	EINECS
Benzyl alcohol	100-51-6	Yes	DSL	EINECS

## \* \* \* Section 16 - Other Information \* \* \*

### Reference

Q1-1575-03

### Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

### Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; BLV=Biological Limit Values; CAN = Canadian DSL and NDSL Inventories status; CAS = Chemical Abstracts Service; CC = Closed Cup; CFR = Code of Federal Regulations; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EPA = Environmental Protection Agency; EU = European Union; g/L = grams per Liter; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; mg/kg = milligrams per kilogram; mg/L = milligrams per Liter; mg/m3 = milligrams per Cubic Meter; NA, N/A, S.O. = Not available or Not Applicable; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NIOSH = National Institute for Occupational Safety and Health; NJTSR = New Jersey Trade Secret Registry; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; OC = Open Cup; OSHA = Occupational Safety and Health Administration; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average; TWAEV = Time Weighted Average Exposure Value; WHMIS = Workplace Hazardous Materials Information System

End of Sheet SAH00539