

# SAFETY DATA SHEET

Issuing Date 01-Aug-2013

Revision Date 04-Dec-2019

Revision Number 13

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product Identifier

Product Name **ACETONOX 3070**

### Other means of identification

**Product Code** 3603700  
**CAS Number** Mixture  
**Formula** Unspecified  
**Synonyms** Mixture of 4,4'- Diaminodiphenyl Methane & Formaldehyde, Polymer with Benzenamine, Hydrogenated & 4,4'-Methylenebis(Cyclohexylamine)  
**UN-No** UN1760

### Recommended use of the chemical and restrictions on use

**Recommended Use** Coatings  
**Uses advised against** Do not use where contact with food or drinking water is possible. Avoid prolonged contact with eyes, skin, and clothing.

### Details of the supplier of the safety data sheet

**Supplier Address** ACETO US, LLC  
4 Tri Harbor Court  
Port Washington, NY 11050-4661  
Phone: (516) 627-6000  
Fax: (516) 627-6093  
Email: aceto@aceto.com

### Emergency Telephone Number(s)

ChemTrec: 1-800-424-9300 Outside of the United States: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/eye irritation	Category 1
Respiratory Sensitization	Category 1
Skin Sensitization	Category 1
Specific target organ toxicity (repeated exposure)	Category 2
Chronic aquatic toxicity	Category 1
Acute aquatic toxicity	Category 1

### Label elements

#### Emergency Overview

**Signal Word**  
**DANGER**

**Hazard statements**

Harmful if swallowed  
 Harmful in contact with skin  
 Harmful if inhaled  
 Causes severe skin burns and eye damage  
 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 May cause an allergic skin reaction  
 May cause damage to organs through prolonged or repeated exposure  
 Very toxic to aquatic life with long lasting effects

**Appearance**

Viscous

**Physical State**

Liquid

**Odor**

Not available

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Use only outdoors or in a well-ventilated area  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 In case of inadequate ventilation wear respiratory protection  
 Contaminated work clothing should not be allowed out of the workplace

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)  
 Immediately call a POISON CENTER or doctor/physician  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present .  
 Immediately call a POISON CENTER or doctor/physician  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 Wash contaminated clothing before reuse  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 If skin irritation or rash occurs: Get medical advice/attention  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth  
 Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None known

**Other Information**

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms** Mixture of 4,4'- Diaminodiphenyl Methane & Formaldehyde, Polymer with Benzenamine, Hydrogenated & 4,4'-Methylenebis(Cyclohexylamine)

**Formula** Unspecified

Chemical name	CAS No.	Weight-%	North American Hazard Indicator
Formaldehyde, Polymer with Benzenamine, Hydrogenated	135108-88-2	60	True
Bis(P-Amino Cyclohexyl)Methane	1761-71-3	40	True

### 4. FIRST AID MEASURES

#### First Aid Measures

**General Advice** Show this safety data sheet to the doctor in attendance.

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician or poison control center immediately.

**Skin Contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Destroy contaminated shoes. Call a physician or poison control center immediately.

**Inhalation** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control center immediately.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Self-Protection of the First Aider** Use personal protective equipment as required. Avoid contact with eyes, skin and clothing.

#### Most important symptoms and effects, both acute and delayed

**Signs and Symptoms** No information available.

#### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Flammable properties** Not available.

**Suitable Extinguishing Media** Water spray. Carbon dioxide (CO2). Dry chemical. Alcohol-resistant foam.

**Unsuitable Extinguishing Media** No information available.

**Hazardous Combustion Products** Thermal decomposition or combustion may produce hazardous gases and/or materials.

**Explosion Data** Not available

**Sensitivity to mechanical impact** Not available.

**Sensitivity to static discharge** Not available.

**Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with eyes, skin and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

**Environmental Precautions**

Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

**Methods and material for containment and cleaning up****Methods for Clean-up**

Evacuate personnel to safe areas. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Handling**

Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Do not breathe vapours or spray mist. Avoid contact with eyes, skin and clothing. Avoid repeated exposure.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep in properly labeled containers. Keep container tightly closed in a dry and well-ventilated place.

**Incompatible Materials**

Cadmium. Acids. Acid chlorides. Acid anhydrides. Isocyanides. Halogenated organics. Peroxides. Phenols. Epoxides. Acid halides.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Formaldehyde, Polymer with Benzenamine, Hydrogenated 135108-88-2	-	-	-
Bis(P-Amino Cyclohexyl)Methane 1761-71-3	-	-	-

**Appropriate engineering controls****Engineering Controls**

Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Tight sealing safety goggles. Face shield.
<b>Skin and body protection</b>	Impervious gloves. Gloves must be inspected riot to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. The type of protective equipment must be selected according to the concentration and amount of dangerous substance at the specific workplace.
<b>Respiratory Protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Appearance</b>	Viscous
<b>Physical State</b>	Liquid
<b>Odor</b>	Not available
<b>Odor Threshold</b>	Not available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No Data Available	
<b>Melting point / Freezing point</b>	No Data Available	Literary Reference
<b>Boiling point / boiling range</b>	No information available	Literary Reference
<b>Flash Point</b>	No Data Available	No information available
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>	No information available	
<b>Upper flammability limit</b>	No information available	
<b>Lower flammability limit</b>	Not available	
<b>Vapor Pressure</b>	No information available	
<b>Vapor Density</b>	Not available	
<b>Specific Gravity</b>	No information available	
<b>Water Solubility</b>	No information available	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	Not available	
<b>Autoignition temperature °C</b>	No Data Available	Estimated
<b>Decomposition temperature</b>	No Data Available	
<b>Kinematic Viscosity</b>	No information available	
<b>Dynamic Viscosity</b>	Not available	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**Other Information**

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC content</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available
<b>Corrosion characteristics</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not applicable.
<b>Chemical Stability</b>	Stable under recommended storage conditions

<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Incompatible Materials</b>	Cadmium. Acids. Acid chlorides. Acid anhydrides. Isocyanides. Halogenated organics. Peroxides. Phenols. Epoxides. Acid halides.
<b>Hazardous Decomposition Products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Nitrogen oxides (NO <sub>x</sub> ).
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Formaldehyde, Polymer with Benzenamine, Hydrogenated	-	-	-
Bis(P-Amino Cyclohexyl)Methane	= 1000 mg/kg ( Rat )	-	-

The following values are calculated based on chapter 3.1 of the GHS document .

#### Information on likely routes of exposure

<b>Eyes</b>	Corrosive. Causes burns. Avoid contact with eyes.
<b>Skin</b>	Harmful in contact with skin. Corrosive. Causes burns. Avoid contact with skin.
<b>Inhalation</b>	Harmful by inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Avoid breathing vapors or mists.
<b>Ingestion</b>	Harmful if swallowed. Do not take internally.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Serious eye damage/irritation</b>	No information available.
<b>Corrosivity</b>	Causes severe skin burns and eye damage.
<b>Skin Corrosion/Irritation</b>	No information available.
<b>Sensitization</b>	May cause allergic skin reaction.
<b>Reproductive Effects</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.

<b>STOT - single exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Chronic Toxicity</b>	Avoid repeated exposure.
<b>Target Organ Effects</b>	Eyes, Skin, Respiratory system, Bladder, Central Vascular System (CVS), Liver, Spleen.
<b>Aspiration Hazard</b>	No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects  
Avoid release to the environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Formaldehyde, Polymer with Benzenamine, Hydrogenated 135108-88-2	-	-	-	-
Bis(P-Amino Cyclohexyl)Methane 1761-71-3	-	-	-	-

**Persistence/Degradability** No information available.

**Bioaccumulation/Accumulation** Does not bioaccumulate.

**Mobility in Soil** No information available.

Chemical name	log Pow =
Formaldehyde, Polymer with Benzenamine, Hydrogenated 135108-88-2	-
Bis(P-Amino Cyclohexyl)Methane 1761-71-3	2.03

**Other adverse effects** No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal Methods** Contact waste disposal services. Dispose of in accordance with local regulations.

**Contaminated Packaging** Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. TRANSPORT INFORMATION

### DOT

<b>UN-No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s
<b>Hazard class</b>	8
<b>Packing Group</b>	II
<b>Description</b>	UN1760, CORROSIVE LIQUIDS, N.O.S. (Formaldehyde, Polymer with Benzenamine), 8, II

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<b>Emergency Response Guide Number</b>	154
<b><u>TDG</u></b>	
<b>UN-No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s.
<b>Hazard class</b>	8
<b>Packing Group</b>	II
<b>Description</b>	UN1760, Corrosive liquid, n.o.s., (Formaldehyde, Polymer with Benzenamine), 8, II
<b><u>MEX</u></b>	
<b>UN-No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s.
<b>Hazard class</b>	8
<b>Packing Group</b>	II
<b>Description</b>	UN1760, Corrosive liquid, n.o.s., (Formaldehyde, Polymer with Benzenamine), 8, II
<b><u>ICAO</u></b>	
<b>UN-No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s.
<b>Hazard class</b>	8
<b>Packing Group</b>	II
<b>Description</b>	UN1760, Corrosive liquid, n.o.s., (Formaldehyde, Polymer with Benzenamine), 8, II
<b><u>IATA</u></b>	
<b>UN number</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s.
<b>Transport hazard class(es)</b>	8
<b>Packing Group</b>	II
<b>Description</b>	UN1760, Corrosive liquid, n.o.s., (Formaldehyde, Polymer with Benzenamine), 8, II
<b><u>IMDG</u></b>	
<b>UN number</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s.
<b>Transport hazard class(es)</b>	8
<b>Packing Group</b>	II
<b>EmS No.</b>	F-A, S-B
<b>Description</b>	UN1760, Corrosive liquid, n.o.s.(Formaldehyde, Polymer with Benzenamine), , 8, II
<b><u>RID</u></b>	
<b>UN-No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s.
<b>Transport hazard class(es)</b>	8
<b>Packing Group</b>	II
<b>Classification Code</b>	C9
<b>Description</b>	UN1760, Corrosive liquid, n.o.s., (Formaldehyde, Polymer with Benzenamine), 8, II
<b>ADR/RID-Labels</b>	8
<b><u>ADR</u></b>	
<b>UN-No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s.
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Classification Code</b>	C9
<b>Tunnel Restriction Code</b>	(E)
<b>Description</b>	UN1760, Corrosive liquid, n.o.s., (Formaldehyde, Polymer with Benzenamine), 8, II
<b>Labels</b>	8
<b><u>ADN</u></b>	
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s.
<b>Transport hazard class(es)</b>	8
<b>Packing Group</b>	II
<b>Classification Code</b>	C9

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<b>Special Provisions</b>	274
<b>Description</b>	UN1760, Corrosive liquid, n.o.s., 8, II
<b>Hazard label(s)</b>	8
<b>Limited Quantity</b>	1 L

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>Canada (DSL)</b>	Complies
<b>EU (EINECS)</b>	Does not comply
<b>EU (ELINCS)</b>	Does not comply
<b>Japan (ENCS)</b>	Does not comply
<b>China (IECSC)</b>	Complies
<b>Korea (KECL)</b>	Complies
<b>Philippines (PICCS)</b>	Complies
<b>Australia (AICS)</b>	Complies
<b>Mexico INV</b>	Does not comply
<b>Taiwan INV</b>	Complies

Chemical name	U.S.A. (TSCA)	Canada (DSL)	EU (EINECS)	EU (ELINCS)	
Formaldehyde, Polymer with Benzenamine, Hydrogenated	Present	Present	-	-	
Bis(P-Amino Cyclohexyl)Methane	Present	Present	X	-	
Component	Japan (ENCS)	China (IECSC)	Korea (KECL)	Philippines (PICCS)	Australia (AICS)
	-	Present	Present	Present	Present
	Present (4)-101,(3)-2272	Present	Present	Present	Present
Chemical name	Mexico INV	Taiwan INV			
Formaldehyde, Polymer with Benzenamine, Hydrogenated 135108-88-2	-	Present			
Bis(P-Amino Cyclohexyl)Methane 1761-71-3	-	Present			

### Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

**VOC content**

This Product does not contain any VOCs

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

*State Regulations***California Proposition 65**

This product contains the following Proposition 65 chemicals:

**State Right-to-Know**

This product contains the following State Right-to-Know chemicals:

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

*Canada***WHMIS Statement**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

<b>16. OTHER INFORMATION</b>
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**NFPA**

**Health** 3

**Flammability** 0

**Instability** 0

**Physical Hazard** 0

**Issuing Date**

01-Aug-2013

**Revision Date**

04-Dec-2019

**Revision Summary**

Not available

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage,

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transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**