



Industrial Polymers Corporation

PC-39 Fast Components A & B Safety data sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules & Regulations
Revision date: 09/16 Supersedes: 04/15 Prepared By: C. Boddie

1. Chemical Product & Company Identification

Product Identifier / Product Name:

PC-39 Fast Component A

Name, Address & Telephone of Manufacturer:

Industrial Polymers, Inc.
3250 South Sam Houston Parkway East
Houston, Texas 77047
Phone: 800-766-3832
Fax: 713-943-1525

www.IndustrialPolymers.Com

Emergency Contact:

Chemtrec: 800-424-9300 (Inside the USA)
703-527-3887 (International)

2. Hazards Identification

Classification of the Substance or Mixture (GHS-US)

| | |
|-------------------|------|
| Muta. 2 | H341 |
| Carc. 1B | H350 |
| STOT SE 3 | H335 |
| Aquatic Acute 1 | H400 |
| Aquatic Chronic 1 | H410 |

Labeling Elements GHS-US

Hazard Pictograms:



Signal Word: Danger

Hazard Statements:

H335 - May cause respiratory irritation.
H341 - Suspected of causing genetic defects.
H350 - May cause cancer (oral).
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing vapors, mist, or spray.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing, and eye protection.
P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P312 - Call a poison center or doctor if you feel unwell.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.

Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US): No data available

3. Composition/Information on Ingredients

Substance: Not Applicable

Mixture

| Name | Product Identifier | Concentration | Classification |
|--|---|---------------|--|
| Polyethylene glycol | (CAS No) 25322-68-3 (EINECS) 500-038-2 | 70 – 80 | STOT SE 3, H335 |
| 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich | (CAS No) 68515-49-1 (EINECS) 271-091-4 | 10 – 15 | Not classified |
| 4,4'-Methylenebis(2-chloroaniline) | (CAS No) 101-14-4 (EINECS) 202-918-9 | 10 – 15 | Acute Tox. 4 (Oral), H302 Muta. 2, H341 Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Mercury, (neodecanoato-O)phenyl- | (CAS No) 26545-49-3 (EINECS) 247-783-7 | 0.042 - 0.083 | Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation:vapor), H330 STOT RE 2, H373 Aquatic Chronic 1, H410 |

Full text of H-phrases: see Section 16



4. First Aid Measures

Description of First Aid measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do not induce vomiting. Immediately call a Poison Center or doctor/physician.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/Injuries: May cause respiratory irritation. Suspected of causing genetic defects. May cause cancer.

Symptoms/Injuries After Inhalation: Irritation of the respiratory tract and the other mucous membranes.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Suspected of causing genetic defects. May cause cancer.

Indication of Any Immediate Medical Attention and Special Treatment Needed: If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

5. Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice For Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂), Nitrogen oxides, Hydrogen cyanide, Hydrogen chloride, Irritating fumes, Smoke.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental Release Measures

Personal Precautions, Protective Equipment & Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

Environmental Precautions: Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

Methods & Material for Containment & Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

7. Handling & Storage

Precautions for Safe Handling:

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with eyes, skin and clothing. Obtain special instructions before use. Do not breathe vapors, mist, spray. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Products: Polymerization catalysts, Ammonia, Finely powdered aluminum and magnesium, Alkalis, Strong acids, strong bases, strong oxidizers.

Specific End Use(s): No additional information available



8. Exposure Controls/Personal Protection

Control Parameters: For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

4,4'-Methylenebis(2-chloroaniline) (101-14-4)

| | | |
|-------|-----------------------------------|--|
| ACGIH | TWA (ppm) | 0.01 ppm |
| ACGIH | chemical category | Skin - potential significant contribution to overall exposure by the cutaneous route, Suspected Human Carcinogen |
| ACGIH | Biological Exposure Indices (BEI) | Parameter: Total MBOCA - Medium: urine - Sampling time: end of shift (nonquantitative) |
| NIOSH | REL (TWA) (mg/m ³) | 0.003 mg/m ³ |

Polyethylene glycol (25322-68-3)

| | | |
|------|-------------------------------|--|
| AIHA | WEEL TWA (mg/m ³) | 10 mg/m ³ (MW>200, aerosol) |
|------|-------------------------------|--|

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

9. Physical & Chemical Properties

Information on Basic Physical & Chemical Properties

| | |
|---------------------------------|---|
| Physical State: | Liquid |
| Appearance: | Black |
| Odor: | Aromatic |
| Odor Threshold: | No data available |
| pH: | No data available |
| Melting Point/ Freezing Point: | No data available |
| Boiling Point: | 450°F |
| Decomposition Temperature: | No data available |
| Flammability (solid, gas): | No data available |
| Relative Vapor Density at 20°C: | Greater (Air = 1) |
| Log Pow: | No data available |
| Solubility: | Negligible/Reacts slowly with water, slowly |
| Specific Gravity: | 1.03 |
| Self-Ignition temperature: | No data available |
| Viscosity: | 35,000 cps |
| Oxidizing Properties: | No data available |
| Flash Point: | No data available |
| Explosive Properties: | Product is not explosive, however, formation of explosive air vapour mixture is possible. |
| Relative Evaporation Rate | Slower (Ether=1) |

10. Stability & Reactivity

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible Materials: Polymerization catalysts. Ammonia. Alkalis. Finely powdered aluminum and magnesium. Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products: None known.

11. Toxicological Information

Information On Toxicological Effects

Acute Toxicity: Not Classified

1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich (68515-49-1)

| | |
|--------------------|---------------|
| LD50 Oral Rat | > 60000 mg/kg |
| LD50 Dermal Rabbit | 16000 mg/kg |

4,4'-Methylenebis(2-chloroaniline) (101-14-4)

| | |
|--------------------|--------------|
| LD50 Oral Rat | 1140 mg/kg |
| LD50 Dermal Rabbit | > 5000 mg/kg |

Polyethylene glycol (25322-68-3)

| | |
|--------------------|-------------|
| LD50 Oral Rat | 47000 mg/kg |
| LD50 Dermal Rabbit | > 20 ml/kg |



11. Toxicological Information (Cont.)

Mercury, (neodecanoato-O)phenyl- (26545-49-3)

| | |
|--|---------------------------------------|
| ATE (Oral) | 5.00 mg/kg body weight |
| ATE (Dermal) | 5.00 mg/kg body weight |
| ATE (Vapors) | 0.50 mg/l/4h |
| Skin Corrosion/Irritation | Not classified |
| Serious Eye Damage/Irritation | Not classified |
| Respiratory or Skin Sensitization | Not classified |
| Germ Cell Mutagenicity: | Suspected of causing genetic defects. |
| Carcinogenicity | May cause cancer (oral). |
| Reproductive Toxicity | Not classified |
| Specific Target Organ Toxicity (Single Exposure) | May cause respiratory irritation. |
| Specific Target Organ Toxicity (Repeated Exposure) | Not classified |
| Aspiration Hazard | Not classified |

12. Ecological Information

Toxicity:

Ecology – General: Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich (68515-49-1)

| | |
|----------------|--|
| LC50 Fish 1 | > 0.66 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 Daphnia 1 | > 0.18 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 Fish 2 | > 1 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |

4,4'-Methylenebis(2-chloroaniline) (101-14-4)

| | |
|--------------------------------|---|
| LC50 Fish 1 | 0.606 mg/l |
| EC50 Daphnia 1 | 0.25 mg/l |
| NOEC Chronic Crustacea | 0.0095 mg/l |
| Persistence and Degradability: | May cause long-term adverse effects in the environment. |
| Bioaccumulative Potential: | Not established. |

1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich (68515-49-1)

| | |
|------------------------|--------------------------------------|
| BCF fish 1 | 3500 |
| Mobility in Soil: | No additional information available. |
| Other Adverse Effects: | Avoid release to the environment. |

13. Disposal Consideration

Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

14. Transport Information

UN Number

UN/DOT NA: None

UN/DOT Proper Shipping Name: Liquid Resin (Non-Regulated)

Freight Class: 55

DOT Hazard Classes: Non-regulated

Packing Group (DOT): None

IMO / IMDG CODE (OCEAN) HAZARD CLASS DIVISION NUMBER:

Non-regulated/Not Dangerous Goods

ICAO / IATA (AIR) HAZARD CLASS DIVISION NUMBER:

Non-regulated/Not Dangerous Goods

15. Regulatory Information

US Federal Regulations

SARA Section 311/312 Hazard Classes: Immediate (acute) health hazard
Delayed (chronic) health hazard

1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich (68515-49-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

4,4'-Methylenebis(2-chloroaniline) (101-14-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Subject to reporting requirements of United States SARA Section 313

CERCLA RQ 10 lb

SARA Section 313 - Emission Reporting 0.1 %

Polyethylene glycol (25322-68-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C))

Mercury, (neodecanoato-O)phenyl- (26545-49-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag P - P - indicates a commenced PMN substance

US State Regulations

1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich (68515-49-1)

U.S. - California - Proposition 65 - Developmental Toxicity WARNING: This product contains chemicals known to the State of California to cause birth defects.



15. Regulatory Information (Cont.)

4,4'-Methylenebis(2-chloroaniline) (101-14-4)

U.S. - California - Proposition 65 - Carcinogens List

WARNING: This product contains chemicals known to the State of California to cause cancer.

4,4'-Methylenebis(2-chloroaniline) (101-14-4)

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

U.S. - Pennsylvania - RTK (Right to Know) List

16. Other Information

GHS Full Text Phrases:

| | | |
|---------------------------------|------|--|
| Acute Tox. 1 (Dermal) | H310 | Acute toxicity (dermal) Category 1 |
| Acute Tox. 2 (Inhalation:vapor) | H330 | Acute toxicity (inhalation:vapor) Category 2 |
| Acute Tox. 2 (Oral) | H300 | Acute toxicity (oral) Category 2 |
| Acute Tox. 4 (Oral) | H302 | Acute toxicity (oral) Category 4 |
| Aquatic Acute 1 | H400 | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| Aquatic Chronic 1 | H410 | Hazardous to the aquatic environment - Chronic Hazard Category 1 |
| Carc. 1B | H350 | Carcinogenicity Category 1B |
| Muta. 2 | H341 | Germ cell mutagenicity Category 2 |
| STOT RE 2 | H373 | Specific target organ toxicity (repeated exposure) Category 2 |
| STOT SE 3 | H335 | Specific target organ toxicity (single exposure) Category 3 |

NFPA 704M ratings:

| Health | Flammability | Reactivity | Other |
|--------|--------------|-----------------|---------------------|
| 1 | 1 | 1 | |
| Health | Flammability | Physical Hazard | Personal Protection |
| 1 | 1 | 1 | C |

HMIS ratings:

0-Insignificant

1-Slight

2-Moderate

3-High

4-Extreme

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Industrial Polymers, Inc. The data on this sheet relates only to the specific material designated herein. Industrial Polymers, Inc assumes no legal responsibility for use or reliance upon this data.



Industrial Polymers Corporation

PC-39 Fast Components A & B

Safety data sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules & Regulations
Revision date: 09/16 Supersedes: 04/15 Prepared By: C. Boddie

1. Chemical Product & Company Identification

Product Identifier / Product Name:

PC-39 Fast Component B

Name, Address & Telephone of Manufacturer:

Industrial Polymers, Inc.

3250 South Sam Houston Parkway East

Houston, Texas 77047

Phone: 800-766-3832

Fax: 713-943-1525

www.IndustrialPolymers.Com

Emergency Contact:

Chemtrec: 800-424-9300 (Inside the USA)

703-527-3887 (International)

2. Hazards Identification

Classification of the Substance or Mixture (GHS-US)

| | |
|-----------------|------|
| Resp. Sens. 1 | H334 |
| Skin Sens. 1 | H317 |
| Aquatic Acute 3 | H402 |

Labeling Elements GHS-US

Hazard Pictograms:



Signal Word: Danger

Hazard Statements:

H317 - May cause an allergic skin reaction.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H402 - Harmful to aquatic life.

Precautionary Statements:

P261 - Avoid breathing vapors, mist, or spray.

P272 - Contaminated work clothing must not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection.

P284 - [In case of inadequate ventilation] wear respiratory protection.

P302+P352 - If on skin: Wash with plenty of water.

P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P321 - Specific treatment (see section 4 on this SDS).

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

P342+P311 - If experiencing respiratory symptoms: Call a poison center or doctor.

P363 - Wash contaminated clothing before reuse.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

Other Hazards: Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US): No data available

3. Composition/Information on Ingredients

Substance: Not Applicable

Mixture

| Name | Product Identifier | Concentration | Classification |
|--|---|---------------|--|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene] | (CAS No) 59675-67-1 | 90 - 95 | Resp. Sens. 1, H334 Skin Sens. 1, H317 |
| Propanol, oxybis-, dibenzoate | (CAS No) 27138-31-4 (EINECS) 248-258-5 | 5% - 10% | Aquatic Acute 2, H401 Aquatic Chronic 3, H412 |

Full text of H-phrases: see Section 16

4. First Aid Measures

Description of First Aid measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.



4. First Aid Measures (Cont.)

Symptoms/Injuries After Inhalation: Exposure may produce cough, mucous secretions, shortness of breath, chest tightness, or other symptoms indicative of an allergic/sensitization reaction.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

5. Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Nitrogen oxides. Isocyanates.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental Release Measures

Personal Precautions, Protective Equipment & Emergency Procedures

General Measures: Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

Environmental Precautions: Prevent entry to sewers and public waters. Avoid release to the environment.

Methods & Material for Containment & Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal.

Contact competent authorities after a spill.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. Handling & Storage

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, and spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Products: Strong acids, strong bases, strong oxidizers.

Specific End Use(s): No additional information available.

8. Exposure Controls/Personal Protection

Control Parameters For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL)

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.



9. Physical & Chemical Properties

Information on Basic Physical & Chemical Properties

| | |
|---------------------------------|---|
| Physical State: | Liquid |
| Appearance: | Black |
| Odor: | Aromatic |
| Odor Threshold: | No data available |
| pH: | No data available |
| Melting Point/ Freezing Point: | No data available |
| Boiling Point: | 450°F |
| Decomposition Temperature: | No data available |
| Flammability (solid, gas): | No data available |
| Relative Vapor Density at 20°C: | Greater (Air = 1) |
| Log Pow: | No data available |
| Solubility: | Negligible/Reacts slowly with water, slowly |
| Specific Gravity: | 1.21 |
| Self-Ignition temperature: | No data available |
| Viscosity: | 490 CPS |
| Oxidizing Properties: | No data available |
| Flash Point: | No data available |
| Explosive Properties: | Product is not explosive, however, formation of explosive air vapour mixture is possible. |
| Relative Evaporation Rate | Slower (Ether=1) |

10. Stability & Reactivity

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products: None known.

11. Toxicological Information

Information On Toxicological Effects

Acute Toxicity: Not Classified

Skin Corrosion/Irritation:

Not classified

Serious Eye Damage/Irritation:

Not classified

Respiratory or Skin Sensitization:

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ Cell Mutagenicity:

Not classified

Carcinogenicity

Not classified

Reproductive Toxicity

Not classified

Specific Target Organ Toxicity (Single Exposure)

Not classified

Specific Target Organ Toxicity (Repeated Exposure)

Not classified

Aspiration Hazard

Not classified

12. Ecological Information

Toxicity

Ecology – General: Harmful to aquatic life.

Propanol, oxybis-, dibenzoate (27138-31-4)

LC50 Fish 1 3.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

NOEC Chronic Fish 1.2 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

Persistence and Degradability: Not established.

Bioaccumulative Potential: Not established.

Mobility in Soil: No additional information available.

Other Adverse Effects: Avoid release to the environment.

13. Disposal Consideration

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.



Industrial Polymers Corporation

PC-39 Fast Components A & B

Safety data sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules & Regulations
Revision date: 09/16 Supersedes: 04/15 Prepared By: C. Boddie

14. Transport Information

UN Number
UN/DOT NA: None
UN/DOT Proper Shipping Name: Liquid Resin (Non-Regulated)
Freight Class: 55
DOT Hazard Classes: Non-regulated
Packing Group (DOT): None
IMO / IMDG CODE (OCEAN) HAZARD CLASS DIVISION NUMBER: Non-regulated/Not Dangerous Goods
ICAO / IATA (AIR) HAZARD CLASS DIVISION NUMBER: Non-regulated/Not Dangerous Goods

15. Regulatory Information

US Federal Regulations

SARA Section 311/312 Hazard Classes: Immediate (acute) health hazard

Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene] (59675-67-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e., Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C))

Propanol, oxybis-, dibenzoate (27138-31-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulation: Neither this product nor its chemical components appear on any US state lists.

16. Other Information

GHS Full Text Phrases:

| | | | | |
|---|-------------|--|-----------------|--------------------------|
| Aquatic Acute 2 | H401 | Hazardous to the aquatic environment - Acute Hazard Category 2 | | |
| Aquatic Acute 3 | H402 | Hazardous to the aquatic environment - Acute Hazard Category 3 | | |
| Aquatic Chronic 3 | H412 | Hazardous to the aquatic environment - Chronic Hazard Category 3 | | |
| Resp. Sens. 1 | H334 | Respiratory sensitisation Category 1 | | |
| Skin Sens. 1 | H317 | Skin sensitization Category 1 | | |
| NFPA 704M ratings: | Health 2 | Flammability 1 | Reactivity 1 | Other |
| HMIS ratings: 0-Insignificant 1-Slight 2-Moderate 3-High 4-Extreme | Health 2 | Flammability 1 | Reactivity 1 | Personal Protection D |

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Industrial Polymers, Inc. The data on this sheet relates only to the specific material designated herein. Industrial Polymers, Inc assumes no legal responsibility for use or reliance upon this data.