

1. Identification

Product Identifier: **Castin' Craft Casting Catalyst**
 Product Code(s): 46361, 46388, 56362, 34016, 34032, 34128, 46392, MICHAELS SKUs: 558155, 10415456
 Use: Casting Resin Catalyst Agent. For Industrial/Professional use only.
 Manufacturer: Environmental Technology, Inc.
 1458 S 35th St. Galesburg, MI 49053 USA
 Phone Number: +1 800-447-9344 (8 a.m. to 6:30 p.m. EST)
 Emergency Phone: CHEMTREC 800-424-9300 or +1 703-527-3887
 E-mail: mail@eti-usa.com

2. Hazards Identification

GHS Classification:

Organic Peroxides Type D
 Acute Toxicity (Oral) – Category 4
 Skin Damage – Category 1
 Serious Eye Damage – Category 1

Label Elements: Danger



Hazard Phrases

H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.
 H242 Heating may cause a fire.

Precautionary Phrases

P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
 P234 Keep only in original packaging.
 P235 Keep cool.
 P240 Ground and bond container and receiving equipment.
 P260 Do not breathe fumes, vapors, mists, or sprays.
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink, or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated clothing should not be allowed out of the workplace.
 P280 Wear protective gloves, protective clothing, eye protection and face protection.
 P301+P317 IF SWALLOWED: Get medical help.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P354 IF ON SKIN: Take off immediately call contaminated clothing. Immediately rinse with water for several minutes.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P316 Get emergency medical help immediately.
 P330 Rinse mouth.
 P363 Wash contaminated clothing before reuse.
 P403 Store in a well-ventilated place.
 P405 Store locked up.
 P410 Protect from sunlight.
 P420 Store separately.
 P501 Dispose of contents and container in accordance with local, regional, and national regulations.

Supplemental Information: This is one part of a two-part system. Read and understand the hazard information on the resin before use.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Benzenedicarboxylic Acid Derivative	Proprietary	10-50
Methyl Ethyl Ketone Peroxide	Proprietary	5-40
Butanone Compound	Proprietary	<10
Diluent	Proprietary	<10

Exact concentrations are withheld as trade secret. Other ingredients are not listed because they are either not hazardous or are below cut-off/concentration thresholds.

4. First-Aid Measures

Eye Contact: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. Take off contaminated clothing and wash before reuse. Get medical attention immediately.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist. Get medical attention if you feel unwell.

Ingestion: Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately.

Most Important Symptoms/Effects: Causes serious skin burns and eye damage. Harmful if swallowed.

Indication of Immediate Medical Attention/Special Treatment: Get immediate medical attention if swallowed, on skin, or in eyes.

5. Fire-Fighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or eruption.

Specific Hazards: Not classified as flammable or combustible. Product may start a fire if heated.

Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus, and full-body protective clothing. Cool fire-exposed containers with water.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency

Procedures: Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing fumes or vapors.

Methods and Materials for Containment and Cleanup: Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment.

7. Handling and Storage

Safe Handling: Keep out of reach of children. Do not breathe fumes, vapors, mists, or sprays. Do not eat, drink, or smoke when using this product. Avoid contact with clothing and skin. Provide adequate ventilation. If inadequate ventilation, wear respiratory protection. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Safe Storage: Store away from incompatible materials. Store in a tightly closed original container in a dry, cool, and well-ventilated place. Read and follow manufacturer's recommendations.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: For Benzenedicarboxylic Acid Derivative:

OSHA PEL 5 mg/m³
 ACGIH TLV 5 mg/m³ TWA

For Butanone Compound:

OSHA PEL 590 mg/m³
ACGIH TLV 200 ppm TWA, 300 ppm STEL

For Diluent:

OSHA PEL 1 ppm TWA
ACGIH TLV 1 ppm TWA

For Methyl Ethyl Ketone Peroxide:

ACGIH TLV 0.2 ppm (C)

Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.

Respiratory Protection: If ventilation is inadequate, use a properly fitted, NIOSH-approved, air-purifying respirator with organic vapor cartridges. For higher exposures or in an emergency, use a supplied-air respirator. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety glasses or goggles.

Other Protective Measures: An eye wash facility and washing facility should be available in the work area. Avoid skin contact. Follow good Industrial Hygiene practices.

9. Physical and Chemical Properties

Appearance: Liquid, water white

Odor: Slight

Odor Threshold: No data available

pH: No data available

Melting Point: No data available

Boiling Point: No data available

Flash Point: 200°F (93.3°C)

Evap. Rate: No data available

Flamm. Limits: No data available

Vapor Pressure: No data available

Vapor Density: > 1

Relative Density: 1.1

Solubility: No data available

Partition Coefficient: n-octanol/Water: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: No data available

10. Stability and Reactivity

Reactivity: May form peroxides.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Avoid contact with incompatible materials. High temperatures. Protect against direct sunlight.

Incompatible Materials: Avoid nitrates, strong oxidizers, acids, bases, reducing agents, sulfur compounds, and metal salts.

Hazardous Decomposition Products: When heated to decomposition the product emits acrid smoke and irritating fumes.

11. Toxicological Information

Eye Contact: Causes serious eye damage.

Skin Contact: Causes skin burns and eye damage.

Ingestion: Harmful if swallowed.

Chronic Health Effects: No data available.

Acute Toxicity Values: For Benzenedicarboxylic Acid Derivative:

Oral LD₅₀ (rat): 2,400 mg/kg

Dermal LD₅₀ (rat): 38,000 mg/kg

For Butanone Compound:

Oral LD₅₀ (rat): 2,300-3,500 mg/kg

Dermal LD₅₀ (rabbit): > 8,000 mg/kg

Inhalation LC₅₀ (rat): 11,700 mg/L, 4hr

For Methyl Ethyl Ketone Peroxide:

Oral LD₅₀ (rat): 6.86 mg/kg

Inhalation LC₅₀ (rat): 200 mg/L, 4hr

Respiratory Sensitization: Components are not classified as respiratory sensitizers.

Skin Sensitization: Components are not classified as skin sensitizers.

Germ Cell Mutagenicity: Components are not known mutagens.

Carcinogenicity: Components are not classified as carcinogens by NTP, IARC, or OSHA.

Reproductive Toxicity: Components are not classified as reproductive toxins.

Specific Target Organ Toxicity: No data available.

12. Ecological Information

Ecotoxicity: No data available. Avoid release to the environment.

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: Low potential for bioaccumulation.

Mobility in Soil: No data available.

13. Disposal Considerations

Minimize waste generation. Dispose of with a licensed waste disposal contractor. Do not dispose of down the drain. Dispose according to local, state, and federal regulations.

14. Transport Information

DOT: UN3105, Organic peroxide type D, liquid, 5.2, II. LTD QTY if shipped in quantities of 125mL (4.22oz) or less.

IMDG/IATA: UN3105, Organic peroxide type D, liquid, 5.2, II.

Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887.

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to these reporting requirements. Some states have more strict reporting requirements.

SARA TITLE III Section 311/312: Acute/Chronic Health

Section 313 Toxic Chemicals: This product contains chemicals subject to SARA Title III Section 313 reporting requirements:

Benzenedicarboxylic Acid Derivative 10-50%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: Components in this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer and birth defects and/or reproductive harm. www.P65Warnings.ca.gov

16. Other Information

Training Advice: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: This product is intended for industrial/professional use only.

SDS Revision Notes: Updated GHS format: March 4, 2021

Disclaimer: The information contained herein is considered accurate; however, Environmental Technology Inc. makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.

1. Identification

Product Identifier: **Castin' Craft Casting Resin**
 Product Code(s): 00175, 00183, 00191, 01600, 34016, 34032, 34128, MICHAELS SKUs: 558114, 558122
 Use: Clear Casting Resin. For Industrial/Professional use only.
 Manufacturer: Environmental Technology, Inc.
 1458 S 35th St. Galesburg, MI 49053 USA
 Phone Number: +1 800-447-9344 (8 a.m. to 6:30 p.m. EST)
 Emergency Phone: CHEMTREC 800-424-9300 or +1 703-527-3887
 E-mail: mail@eti-usa.com

2. Hazards Identification

GHS Classification:

Flammable Liquid – Category 3
 Acute Toxicity (Oral) – Category 4
 Acute Toxicity (Inhalation) – Category 4
 Skin Irritation – Category 2
 Eye Damage – Category 1
 Respiratory Sensitization – Category 1
 Skin Sensitization – Category 1
 Carcinogenicity – Category 2
 Reproductive Toxin – Category 2
 Specific Target Organ Toxicity – Single Exposure Category 2
 Specific Target Organ Toxicity – Single Exposure Category 3 (respiratory tract, narcotic effects)

Label Elements: Danger



Hazard Phrases

H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H226 Flammable liquid and vapor.
 H332 Harmful if inhaled.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H351 Suspected of causing cancer.
 H361 Suspected of damaging fertility or the unborn child.
 H371 May cause damage to organs.

Precautionary Phrases

P203 Obtain, read and follow all safety instructions before use.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 Keep container tightly closed.
 P240 Ground and bond container and receiving equipment.
 P241 Use explosion-proof electrical, ventilating, and lighting equipment.
 P242 Use non-sparking tools.
 P243 Take action to prevent static discharges.
 P260 Do not breathe fumes, vapors, mists, or sprays.
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated clothing should not be allowed out of the workplace.
 P280 Wear protective gloves, protective clothing, eye protection and face protection.
 P284 In case of inadequate ventilation wear respiratory protection.

P301+P317 IF SWALLOWED: Get medical help.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately call contaminated clothing. Rinse affected areas with water or shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P316 IF exposed or concerned: Get emergency medical help immediately.
 P330 Rinse mouth.
 P333+P317 If skin irritation or rash occurs: Get medical help.
 P342+P316 If experiencing respiratory symptoms: Get emergency medical help immediately.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents and container in accordance with local, regional, and national regulations.

Supplemental Information: This is one part of a two-part system. Read and understand the hazard information on the catalyst before use.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Maleic Anhydride Compound	Proprietary	<50
Styrene	Proprietary	<50
Aromatic Carboxylic Acid Anhydride	Proprietary	<35
Ethylene glycol	Proprietary	<30
Exact concentrations are withheld as trade secret. Other ingredients are not listed because they are either not hazardous or are below cut-off/concentration thresholds.		

4. First-Aid Measures

Eye Contact: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. Take off contaminated clothing and wash before reuse. Get medical attention if irritation develops or persists.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist. Get medical attention immediately if experiencing respiratory symptoms.

Ingestion: Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately.

Most Important Symptoms/Effects: Causes serious eye damage. Harmful if inhaled or swallowed.

Indication of Immediate Medical Attention/Special Treatment: Get immediate medical attention if inhaled, swallowed, or in eyes.

5. Fire-Fighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or eruption.

Specific Hazards: Flammable liquid and vapor. Product will burn under fire conditions.

Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus and full-body protective clothing. Cool fire-exposed containers with water.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency

Procedures: Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing fumes or vapors.

Methods and Materials for Containment and Cleanup: Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment.

7. Handling and Storage

Safe Handling: Keep out of reach of children. Do not breathe fumes, vapors, mists or sprays. Avoid contact with clothing and skin. Provide adequate ventilation. If inadequate ventilation, wear respiratory protection. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Safe Storage: Store away from incompatible materials. Store in a tightly closed original container in a dry, cool, and well-ventilated place. Read and follow manufacturer's recommendations.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: For Aromatic Carboxylic Acid Anhydride:

OSHA PEL	12 mg/m ³
ACGIH TLV	0.002 mg/m ³ TWA, 0.005 mg/m ³ STEL

For Maleic Anhydride Compound:

OSHA PEL	2 ppm
ACGIH TLV	0.01 mg/m ³ TWA

For Ethylene glycol:

ACGIH TLV	25 ppm TWA, 50 ppm STEL
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For Styrene:

ACGIH TLV	20 ppm TWA, 40 ppm STEL
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Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.

Respiratory Protection: If ventilation is inadequate, use a properly fitted, NIOSH-approved, air-purifying respirator with organic vapor cartridges. For higher exposures or in an emergency, use a supplied-air respirator. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety glasses or goggles.

Other Protective Measures: An eye wash facility and washing facility should be available in the work area. Avoid skin contact. Follow good Industrial Hygiene practices.

9. Physical and Chemical Properties

Appearance: Liquid, clear

Odor: Minimal, not distinct.

Odor Threshold: No data available

pH: No data available

Melting Point: No data available

Boiling Point: 350°F (176.67°C)

Flash Point: 320°F (160.0°C)

Evap. Rate: No data available

Flamm. Limits: No data available

Vapor Pressure: < 1.33 hPa

Vapor Density: No data available

Relative Density: 1.15

Solubility: No data available

Partition Coefficient: n-octanol/Water: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: No data available

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Contact with incompatible materials. High temperatures. Heating this resin above 300°F in the present of air may cause slow oxidative decomposition.

Incompatible Materials: Strong oxidizing agents. Reacts violently with strong acids. Reacts violently with strong bases. Avoid contact with water and liquids. Do not allow molten product to contact water or other liquids. This can cause violent reactions.

Hazardous Decomposition Products: None expected under normal conditions of use.

11. Toxicological Information

Eye Contact: Causes serious eye damage.

Skin Contact: Causes skin irritation. May cause allergic reaction to skin.

Inhalation: Harmful if inhaled.

Ingestion: Harmful if swallowed.

Chronic Health Effects: May cause allergic skin reaction.

Acute Toxicity Values: For Ethylene glycol:

Oral LD₅₀ (rat): 4,700 mg/kg

Dermal LD₅₀ (rabbit): 9,530 mg/kg

Respiratory Sensitization: Components are classified as respiratory sensitizers.

Skin Sensitization: Components are classified as skin sensitizers.

Germ Cell Mutagenicity: Components are not known mutagens.

Carcinogenicity: Components are classified as carcinogens by NTP, IARC, or OSHA.

Reproductive Toxicity: Components are classified as reproductive toxins.

Specific Target Organ Toxicity: May cause damage to the respiratory tract.

12. Ecological Information

Ecotoxicity: No data available. Avoid release to the environment.

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: Low potential for bioaccumulation.

Mobility in Soil: No data available.

13. Disposal Considerations

Minimize waste generation. Dispose of with a licensed waste disposal contractor. Do not dispose of down the drain. Dispose according to local, state and federal regulations.

14. Transport Information

DOT: UN1866, Resin solution, flammable, 3, III. LTD QTY if shipped in quantities of 5L (1.32gal) or less.

IMDG/IATA: UN1866, Resin solution, flammable, 3, III, MARINE POLLUTANT.

Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887.

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to these reporting requirements. Some states have more strict reporting requirements.

SARA TITLE III Section 311/312: Acute/Chronic Health

Section 313 Toxic Chemicals: This product contains chemicals subject to SARA Title III Section 313 reporting requirements:

Aromatic Carboxylic Acid Anhydride	< 35%
Ethylene glycol	< 30%
Maleic Anhydride Compound	< 50%
Styrene	< 50%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: Components in this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: WARNING: This product can expose you to Benzene, Styrene, and Ethylene glycol, which are chemicals known to the State of California to cause cancer and birth defects and/or reproductive harm. www.P65Warnings.ca.gov

16. Other Information

Training Advice: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: This product is intended for industrial/professional use only.

SDS Revision Notes: Updated GHS format: March 3, 2021

Disclaimer: The information contained herein is considered accurate; however, Environmental Technology Inc. makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.