



## MATERIAL SAFETY DATA SHEET

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# ACTIVATOR FOR REAR VIEW MIRROR KIT PART NO. 49401 - PART A

## SECTION I - IDENTITY INFORMATION

Chemical Family : Accelerator/Primer

## SECTION II - HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>CONCENTRATION RANGES (%)</u>
3,5-Diethyl-1,2-Dihydro-1Phenyl-2-Propylpyridine	34562-31-7	>1
Isobornyl Methacrylate	7534-94-3	>1

## SECTION III - PHYSICAL DATA

Boiling Point	: Polymerized Before BP Attained.
Melting/Freezing Point	: N/A
Solubility in Water	: Insoluble
Specific Gravity (Water=1)	: 0.980
Bulk Density	: 8.16 lbs/gal
Volatiles	: None
Evaporation Rate (Butyl Acetate)	: N/A
Vapor Pressure (mmHg)	: N/A
Vapor Density (Air=1)	: N/A
Volatile Organic Compounds	: Nil
Appearance and Odor	: Yellow, Sweet Odor
Odor Threshold	: Not Available
Molecular weight	: N/A
PH As Is	: N/A
pH In (1%) Solution	: Not Tested
Partition Coefficient (n-octano 1/water)	: N/A

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Auto Ignition	: Not available
Flash Point (Method Used)	: 260 <sup>0</sup> F (TCT/TCT)
Extinguishing Media	: Water fog, foam, CO <sub>2</sub> , dry chemical.
Special Fire Fighting Procedures	: Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Cool exposed equipment with water spray.

Fire and Explosion Hazards	: Polymerization may take place at elevated Temperatures. Combustion may release noxious or toxic vapors. See reactivity.
Hazardous Combustion Products	: Thermal decomposition could produce carbon monoxide, carbon dioxide and unidentified organic compounds.
Upper Explosion Limit (%)	: N/A
Lower Explosion Limit (%)	: N/A
NFPA Flammability Hazard Class	: 0 = Significant

## SECTION V - HEALTH HAZARD DATA

EYE IRRITANT. TOXIC IN CONTACT WITH SKIN. Sensitizer	
ROUTE(S) OF ENTRY:	: Skin contact, eye contact.
Eye	: No hazard in normal industrial use. Irritating and may injure eye tissue if not removed promptly.
Skin Contact	: Irritating to the skin. Moderate systemic toxicity through the skin.
Inhalation	: Irritating to eyes and respiratory tract in high concentrations.
Ingestion	: Low order of toxicity.
Effects of Chronic Exposure	: The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices if required. Avoid direct contact with skin or eyes. Do not ingest or inhale.
Target Organs	: Skin, kidneys, liver.
Carcinogen	: No
Sensitizer	: Yes
FIRST AID PROCEDURES:	
Eye	: This product is a solid. If in the eye, remove as one would any foreign object. Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.
Skin Contact	: None required.
Inhalation	: First aid is not normally required.
Ingestion	: None required.

## SECTION VI - REACTIVITY DATA

Stability	: Unstable
NFPA Reactivity Hazard Class	: 2 = Moderate
Hazardous Decomposition Products	: Thermal decomposition could produce carbon monoxide, carbon dioxide and unidentified organic compounds.

## SECTION VII – EXPOSURE CONTROLS

Ventilation Requirements	: General
Eye Protection Requirements	: Wear chemical goggles.
Glove Requirements	: Impervious neoprene or rubber gloves are recommended.
Clothing Requirements	: Standard industrial hygiene procedures should be practiced.
Respirator Requirements	: No respiratory protection is recommended while working with this material. However, if operating conditions create high vapor or mist concentrations, use of an approved respirator is recommended.

## SECTION VIII - ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures	: Shut off ignition sources. Stop leak if you can do it without risk. For small liquid spills, take up with sand or other absorbent material. For larger spills, dike far ahead of spill for later disposal. No smoking, flames or flares in hazard area! Keep unnecessary people away.
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## SECTION IX - HANDLING AND STORAGE

Storage Temperature	: Room temperature
Handling/Storage	: Confine as much as possible for salvage or controlled disposal.
Ventilation Requirements	: General
Sensitivity to Static Electricity	: No
Sensitivity to Mechanical Impact	: No

## SECTION X – DISPOSAL PROCEDURES

Waste disposal Methods	: Waste disposal should be in accordance with existing federal, state and local environmental regulations.
Empty Container Warnings	: Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

The Information Contained Herein is Based on Data Considered Accurate. However, No Warranty is Expressed or Implied Regarding the Accuracy of the Data or the Results to be obtained From the Use Thereof. Because the Information Contained herein may be applied Under Conditions beyond Our Control, We Assume No Responsibility for its Use.

## REAR VIEW MIRROR ADHESIVE PART NO. 49401 - PART B

### SECTION I - PRODUCT INFORMATION

Chemical Family : Urethane/Methacrylate Blend

### SECTION II - INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS NO.</u>	<u>RANGES (%)</u>
2-Hydroxyethyl Methacrylate	868-77-9	>1
Aromatic Urethane Acrylate Resin	Unknown	>1
Methacrylic Acid	79-41-4	>1
Isobornyl Acrylate	5888-33-5	>1
Maleic Acid	110-16-7	>1
Cumene Hydroperoxide	80-15-9	>1

### SECTION III - PHYSICAL DATA

Pure Substance or Mixture	: Mixture
Physical Form	: Liquid
Appearance/Odor	: Amber, Acetic Odor
Odor Threshold	: Not Available.
pH as is	: N/A
pH in 1% Solution	: N/A
Boiling Point	: Polymerizes before BP Attained.
Melting/Freezing Point	: N/A
Solubility in Water	: Insoluble
Partition Coefficient (n-octano/Water)	: N/A
Specific Gravity (Water=1)	: 1.10
Bulk Density	: 9.16 lbs./gal
Volatiles	: Approx. 5%
Evaporation Rate (Butyl Acetate=1)	: <1
Vapor Pressure (mmHg)	: 0.01 at 75 <sup>0</sup> F
Vapor Density (Air=1)	: 5.0
Volatile Organic Compounds	: 0.46 lbs./gal (55 g/l)

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Auto Ignition	: Not determined
Flash Point	: 218 <sup>0</sup> F (Setaflash Closed Tester)
Lower Explosive Limit (%)	: N/A
Upper Explosive Limit (%)	: N/A
Extinguishing Media	: Dry chemical, CO <sub>2</sub> , foam, and water fog.
Special Fire Fighting Procedures	: Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. cool exposed equipment with water spray.

Fire and Explosion Hazards	: Polymerization may take place at elevated temperatures. Combustion may release noxious or toxic vapors. See reactivity.
Hazardous Combustion Products	: Thermal decomposition could produce carbon monoxide, carbon dioxide and unidentified organic compounds.
NFPA Flammability Hazard Class	: 1 = Slight

## SECTION V - HEALTH EFFECTS DATA

### *EYE IRRITANT. Sensitizer*

ROUTE(S) OF ENTRY:	: Skin contact, eye contact, ingestion.
Eye	: Irritating, and may injure eye tissue if not removed promptly.
Skin Contact	: Frequent or prolonged contact may irritate and cause dermatitis. May cause skin sensitization, a partial or whole-body dermatitic rash experienced after exposure, however minimal.
Inhalation	: Based on its low volatility, product is not considered to be a respiratory hazard under normal conditions of use. Irritating and/or toxic vapors may be released at elevated temperatures.
Ingestion	: Irritating to mouth, throat and stomach. May cause gastric tract disorder and/or damage.
FIRST AID PROCEDURES:	
Eye	: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention.
Skin Contact	: Flush exposed areas thoroughly with soap and water until all chemical is removed. Remove contaminated clothing and launder before re-use.
Inhalation	: First aid is not normally required. Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention.
Ingestion	: DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention.
Effects of Chronic Exposure	: The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct contact with skin or eyes. Do Not ingest or inhale.
Target Organs	: Skin, eyes, lungs and gastrointestinal.
Carcinogen	: No
Sensitizer	: Yes

## SECTION VI - REACTIVITY DATA

Stability	: Stable
NFPA Reactivity Hazard Class	: 2 = Moderate
Hazardous Decomposition Products	: Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.
Hazard Polymerization Conditions	: Heat, oxidizing/reducing agents, oxygen-free atmosphere may cause hazardous polymerization

## SECTION VII - EXPOSURE CONTROLS

Ventilation Requirements	: General
Eye Protection Requirements	: Safety glasses, goggles, or face shield to protect against splashing.
Glove Requirements	: Employee must wear appropriate protective gloves to prevent contact with this substance.
Clothing Requirements	: No special clothing required for low volume activity.
Respirator Requirements	: None required under normal handling conditions. Use NIOSH approved respirator if vapor or mist levels are irritating.

## SECTION VIII - ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures	: Wear protective clothing. Stop leak if you can do it without risk. For small spills take up with sand or other inert absorbent material and place in a container for later disposal. <b>Note:</b> in bulk quantities, product absorbed on inert material may polymerize generating significant heat and pressure. vent disposal container to prevent build up of pressure. Can carefully solidify with anaerobic surface conditioner and dispose of as solid waste.
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## SECTION IX - HANDLING AND STORAGE PRECAUTIONS

Storage Temperature	: Room temperature
Handling/Storage	: Store out of direct sunlight in a dry area. maximum storage temperature is 100 <sup>0</sup> F.
Ventilation Requirements	: General
Sensitivity to Static Electricity	: No
Sensitivity to Mechanical Impact	: No

## SECTION X - DISPOSAL CONSIDERATIONS

Waste Disposal Methods	: Waste disposal should be in accordance with existing federal, state and local environmental regulations.
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Empty Container Warnings

: Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

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