

SECTION I - PRODUCT/ COMPANY IDENTIFICATION

Product Trade Name: **ADHERE ACTIVATOR**

Part (Item) Number(s): 310252, 310070, 310075, 310076, 310077, 310093, 310094

Division Name: CENTRIX, INC

Address: 770 RIVER ROAD

City State Zip: SHELTON, CT 06484

Emergency Telephone Number: (800) 235-5862

Information Telephone Number: (203) 929-5582

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components:	Concentration	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS
Acetone	> 90 %	[67-64-1]	1000 ppm	750 ppm	
NTG-GMA	< 10 %	NE	NE	NE	

SECTION III - HAZARDS IDENTIFICATION

Extremely flammable liquid and vapors. Vapor may cause flash fire. Harmful if swallowed.

May cause allergic skin reaction, eye irritation or respiratory tract irritation.

May cause central nervous system depression.

SECTION IV - FIRST AID MEASURE

Skin: Wash off with soap and water. Remove contaminated clothing.
If irritation persists consult a physician.

Ingestion: Do not induce vomiting. If vomiting occurs prevent aspiration into lungs by keeping head below hips.
Seek medical attention.

Eyes: Flush with plenty of water for at least 15 minutes Wash under eyelids.
Seek medical attention by an ophthalmologist.

Inhalation: Remove to fresh air, give oxygen if breathing is difficult. Seek immediately medical attention.

SECTION V - FIRE-FIGHTING MEASURES.

Flammable liquid. Explosive vapor mixtures with air may occur at within flammable limits.

Suitable extinguishing Media: Chemical Foam, Carbon Dioxide, or Dry Chemical

Forbidden extinguish Media: Unknown

Special Exposure Hazards: None. Wear self contained breathing equipment

Unusual fire and explosion hazards: Heat can initiate exotherm polymerization.

Special Protection Equipment: Self contained breathing apparatus operated in positive pressure mode.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: See sections VII and VIII. Remove the sources of ignition and ventilate area.

Ventilate area of leak. Remove ignitions sources.

Environmental Precautions: Do not dump in sewer the spilled material.

Methods for Cleaning up: Clean up using impervious gloves and dispose of in an approved manner.

Use paper towels or vermiculite as absorbent. Use non-sparkling tools and equipment.

SECTION VII - HANDLING AND STORAGE

Handling: Avoid unnecessary exposure. Avoid breathing vapor.

Avoid contact with skin, eyes, and clothing.

Storage: Room temperature, preferably cool, dry place, out of sunlight.

Keep away from sources of ignition. Keep container closed.

Containers: Supplied by manufacturer.

Incompatibilities: Peroxides, Amines, Oxidizing or Reducing Agents.

Other Precautions: Use according to directions. Avoid contact with eyes, skin and soft tissue.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION.

General Measures:

Ventilation: Good general ventilation.

Limits: OSHA PEL (TWA): 1000 ppm; ACGIH TLV: 500 ppm (TWA).

Respiratory protection: Avoid prolonged breathing vapors of the uncured material.

Hands Protection: Impervious gloves.

Eye Protection: Safety Glasses or Goggles.

Skin Protection: Respect good personal hygiene practice. Avoid unnecessary exposure.

Other Equipment: Lab Coat.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES.

Appearance: Clear liquid

Explosion Limits: LEL: 2.5; UEL: 12.8 %v for Acetone

Vapor Density: 3.5

Flash Point: - 4°F for Acetone

Odor: Fragrant, mint-like.

Water solubility: Soluble

Vapor Pressure: 180 mm. Hg

Specific Gravity: 0.8

Boiling Point: 56°C

Evaporation Rate: Faster than Butyl Acetate

SECTION X - STABILITY AND REACTIVITY.

Stability: Stable in normal storage conditions

Conditions to avoid: Temperatures over 40°C, sources of ignition and contamination

Materials to avoid: Oxidizing agents, chlorine compounds, chloroform, alkalis, acids.

Hazardous Decomposition Products: Carbon Oxides

Hazardous Polymerization Products: Will not occur

SECTION XI - TOXICOLOGICAL INFORMATION.

Ingestion: May cause indigestion or may be fatal

Eye contact: May cause irritation, pain, eye burns or permanent eye damage.

Skin Contact: May cause irritation or rash for persons with preexistent skin sensitivity.

Inhalation: Inhalation may cause irritation of the respiratory system.

Prolonged exposure: N/A

For Acetone: Oral LD50 rats 5800 mg. / kg; Inhalation LC50 rat: 50100 mg/m3.

SECTION XII - ECOLOGICAL INFORMATION.

There is no specific information on the product. Use according to good working practice.

SECTION XIII - DISPOSAL CONSIDERATIONS.

Incinerate or dispose according to local regulations.

SECTION XIV - TRANSPORT INFORMATION.

Substances determining Hazard: Acetone

Domestic (Land, D.O.T.) International (Water, I.M.O.)

Hazard Class: 3

Hazard Class: 3.1

UN/NA: UN1090

UN/NA: UN 1090

Packing Group: II

Packing Group: II

SECTION XV - REGULATORY INFORMATION

CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.

Hazard Classification Symbol: Xn, F

R11 Highly flammable

R20/21/22/ Harmful by inhalation, in contact with skin and if swallowed

R36/37/38 Irritating to eyes, respiratory system and skin

R41/42/43/48 May cause damage to eyes, sensitization by inhalation or skin contact

S7 Keep container tightly closed

S16 Keep away from sources of ignition - no smoking

S36 Wear protective clothing

Ingredients Determining the label: Acetone

SECTION XVI - OTHER INFORMATION

NFPA Ratings (for Acetone): Health 1; Flammability 3; Reactivity 1.

CAUTION: PRODUCT FOR PROFESSIONAL USE ONLY.

The above information is based on presently available data and to our best knowledge for handling the product under normal conditions. Any use of this product in any way not indicated on this document or using it together with any other process/procedure will be exclusively under the user's responsibility.

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Part (Item) Number(s): 310251, 310070, 310075, 310076, 310077, 310093, 310094
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City State Zip: SHELTON, CT 06484
Emergency Telephone Number: (800) 235-5862
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SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components:	Concentration	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS
Acetone	30 - 45 [67-64-1]		1000 ppm	750 ppm	
PMGDM	30 - 40 NE	NE	NE		
Ethyl Alcohol	10 - 20 %	64-17-5			
Hydroxyethylmethacrylate	10 - 20 %	[868-77-9]	NE	NE	
Potassium hexafluoroantimonate	< 10	16893-92-8			

SECTION III - HAZARDS IDENTIFICATION

May cause allergic skin reaction, eye irritation or respiratory tract irritation.
Very flammable liquid and vapors. Vapors may cause flashfire. Explosive mixtures with air may occur at room temperature. May cause central nervous system depression.
Harmful if swallowed or inhaled.

SECTION IV - FIRST AID MEASURES

Skin: Wash off with soap and water. Remove contaminated clothing. If irritation persists consult a physician.
Ingestion: Do not induce vomiting, seek medical attention.
Eyes: Flush with plenty of water. Seek medical attention by an ophthalmologist.
Inhalation: Remove to fresh air, give oxygen and seek immediately medical attention.

SECTION V - FIRE-FIGHTING MEASURES.

Flammable liquid.
Suitable extinguishing Media: Chemical Foam, Carbon Dioxide, or Dry Chemical
Forbidden extinguish Media: Unknown
Special Exposure Hazards: None. Wear self contained breathing equipment
Unusual fire and explosion hazards: Heat can initiate exotherm polymerization.
Special Protection Equipment: Self contained breathing apparatus operated in positive pressure mode.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: See sections VII and VIII. Remove the sources of ignition and ventilate area.
Environmental Precautions: Do not dump in sewer the spilled material. Methods for Cleaning up Clean up using impervious gloves and dispose of in an approved manner.
Use paper towels or vermiculite as absorbent. Use non-sparkling tools and equipment.

SECTION VII - HANDLING AND STORAGE

Handling: Avoid unnecessary exposure.
Storage: Room temperature, preferably cool, dry place, out of sunlight.. Keep away from sources of ignition.
Containers: Supplied by manufacturer.
Incompatibilities: Peroxides, Amines, Oxidizing or Reducing Agents.
Other Precautions: Use according to directions. Avoid contact with eyes, skin and soft tissue.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION.

General Measures: Ventilation: good general ventilation
Limits: TWA: 1000 ppm; ACGIH TLV: 500 ppm (TWA).
Respiratory protection. Avoid prolonged breathing vapors of the uncured material
Hands Protection: Impervious Gloves
Eye Protection: Safety Glasses or Goggles.
Skin Protection: Respect good personal hygiene practice. Avoid unnecessary exposure.
Other Equipment: Lab Coat.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES.

Appearance: Clear liquid	Explosion Limits: 2.5 - 12.8 % for Acetone
Vapor Density: 3.5	Flash Point: - 4° F for Acetone
Odor: Fragrant, mint-like	Water solubility: Soluble
Vapor Pressure: 180 mm. Hg	Specific Gravity: 0.8
Boiling Point: 56°C	Evaporation Rate: Faster than Butyl Acetate

SECTION X - STABILITY AND REACTIVITY.

Stability: Stable in normal storage conditions
 Conditions to avoid: Temperatures over 40 oC, sources of ignition and contamination
 Materials to avoid: Oxidizing agents, chlorine compounds, chloroform, alkalis, acids.
 Hazardous Decomposition Products: Carbon Oxides
 Hazardous Polymerization Products: Will not occur

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 Skin Contact: May cause irritation or rash for persons with preexistent skin sensitivity.
 Inhalation: Inhalation may cause irritation of the respiratory system.
 Prolonged exposure: N/A
 For Acetone: Oral LD50 rats 5800 mg. / kg; Inhalation LC50 rat: 50100 mg/m3.

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Substances determining Hazard: Acetone	
Domestic (Land, D.O.T.)	International (Water, I.M.O.)
Hazard Class: 3	Hazard Class: 3.1
UN/NA: UN1090	UN/NA: UN 1090
Packing Group: II	Packing Group: II

SECTION XV - REGULATORY INFORMATION

CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.

Hazard Classification Symbol: Xn, F	
R11	Highly flammable
R20/21/22/	Harmful by inhalation, in contact with skin and if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R41/42/43/48	May cause damage to eyes, sensitization by inhalation or skin contact
S7	Keep container tightly closed
S16	Keep away from sources of ignition - no smoking
S36	Wear protective clothing

Ingredients Determining the label: Acetone

SECTION XVI - OTHER INFORMATION

NFPA Ratings (for Acetone): Health 1; Flammability 3; Reactivity 1.

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