

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Resinol(R) AT
Item number: 32107
Product Type: Anaerobic
Company Address: Henkel Loctite Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut. 06067
Medical Emergency Number: (860) 571-5100
Fax: (860) 571-5465

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	%	Exposure Limits
Hydroxyalkyl methacrylate	868-77-9	40-80	CEIL: 3 ppm Other
Dimethacrylate ester	Proprietary	10-20	Not established.
Alkyl C12 methacrylate	142-90-5	1-30	TWA: 50 ppm Other
Tetradecyl methacrylate	2549-53-3	1-30	TWA: 50 STEL: 75 ppm Other
Polyalkylene	Proprietary	1-5	Not established.
Methacrylic acid	79-41-4	0.1-10	TWA: 70 mg/m3 ACGIH TWA: 20 ppm ACGIH
Saccharin	81-07-2	0.1-10	Not established.

3. HAZARDS IDENTIFICATION

****EMERGENCY OVERVIEW****

PHYSICAL STATE:Liquid. COLOR:Clear to slightly yellow ODOR: Ester-like.

WARNING! CAUSES SEVERE EYE IRRITATION.

MAY CAUSE ALLERGIC SKIN REACTION.

MAY CAUSE SKIN AND RESPIRATORY TRACT IRRITATION.

Potential Health Effects

Eye:
Severe eye irritation. Blurred vision. Excess tearing. Pain and discomfort.

Skin:
Allergic skin reaction. Itching. Rash. Moderate skin irritation. Redness.

Ingestion:
Not expected to be harmful by ingestion.

Inhalation:
Moderate respiratory tract irritation. Shortness of breath. Coughing.

Conditions Aggravated by Exposure:
Respiratory disorders. Skin disorders. Eye disorders.

Chronic:
Detailed information provided in section 11.

4. FIRST AID MEASURES

Eye:
Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin:
Immediately flush skin with plenty of water (using soap, if available) for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms occur.

Ingestion:
Keep individual calm. DO NOT induce vomiting. Get medical attention.

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Inhalation:

Remove to fresh air. If symptoms develop and persist, get medical attention.

Note to Physician:

None.

5. FIRE FIGHTING MEASURES

Flash Point:

CLOSED CUP : >212.F (>100.C).

Extinguishing Media:

In case of fire, use water spray (fog), foam, dry chemicals, or CO2.

Flammable Limits:

Not available.

Special Fire Fighting Procedures:

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Hazardous Combustion Products:

Oxides of carbon. Irritating organic fragments.

Unusual Fire or Explosion Hazards:

None.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak:

Soak up with inert absorbent. Store in closed container until disposal.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Wash thoroughly after handling.

Storage:

Keep container tightly closed. Keep in a cool and well-ventilated area. Store between 46.4 to 69.8.F (8 to 21.C)

For information on product shelf life, contact Loctite Customer Service at 1(800)243-4874

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Not normally needed. Use local exhaust ventilation if the potential for airborne exposure exists.

Eye/Face Protection:

Chemical splash goggles or safety glasses with side shields. Full face shield should be used if the potential exists for splashing or spraying of product.

Skin Protection:

Use chemical resistant, impermeable gloves.

Respiratory Protection:

Use NIOSH approved respirator if there is potential to exceed any exposure limit(s).

See Section 2 COMPOSITION/INFORMATION ON INGREDIENTS for exposure limits

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: Clear to slightly yellow

Material State: Liquid.

Odor: Ester-like.

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Boiling point: >392.F (>200.C)
 pH: 3.1 at 20% solution in 9:1 acetone: water.
 Solubility in Water: 7.22%
 Specific gravity: 1.058
 VOC: 868.83 g/l (79.9%)
 Vapor Pressure: <0 kPa (@ 20.C)
 Vapor density: >1 (Air = 1)
 Evaporation Rate: Not available.

10. STABILITY AND REACTIVITY

Stability:

Stable.

Conditions to Avoid:

None known

Incompatibility:

Strong oxidizing agents. Strong reducing agents.

Hazardous Polymerization:

Hazardous polymerization may occur if overcatalyzed or insufficiently aerated after catalyzation. This polymerization is exothermic.

Hazardous Decomposition Products:

None known

11. TOXICOLOGY INFORMATION

Product Toxicology Data:

ORAL (LD50): Acute: >5000 mg/kg [Rat (estimated)].

DERMAL (LD50): Acute: >2000 mg/kg [Rabbit (estimated)].

May cause skin sensitization.

Ingredient	Carcinogen		
	NTP	IARC	OSHA
Hydroxyalkyl methacrylate	No	No	No
Dimethacrylate ester	No	No	No
Alkyl C12 methacrylate	No	No	No
Tetradecyl methacrylate	No	No	No
Polyalkylene	No	No	No
Methacrylic acid	No	No	No
Saccharin	No	2B	No

Key to abbreviations:

IARC 2B - Possible carcinogen to human.

Ingredient	Health Effects/Target organs
Hydroxyalkyl methacrylate	Allergen. Irritant.
Dimethacrylate ester	Allergen. Irritant.
Alkyl C12 methacrylate	Allergen. Irritant.
Tetradecyl methacrylate	Allergen. Irritant.
Polyalkylene	Not available.
Methacrylic acid	Allergen. Corrosive. Irritant.
Saccharin	No target organs.

12. ECOLOGICAL INFORMATION

Ecological Information:

None known

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal:

Dispose according to EPA and local governmental regulations.

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EPA Hazardous Waste Number:
Not hazardous

14. TRANSPORTATION INFORMATION

Domestic Transportation (D.O.T. 49 CFR)-GROUND

Shipping Description:
Not regulated.

Exceptions:
Not applicable.

International Air Transportation (ICAO/IATA)-

Shipping description:
Not regulated.

Exceptions:
Not applicable.

Marine pollutant:
None known

15. REGULATORY INFORMATION

SARA Title III Section 313 Chemicals:
None.

SARA Title III Section 311/312:
Immediate health hazard, Delayed health hazard

Toxic Substances Control Act:
All components are listed on or are exempt from listing on the Toxic
Substances Control Act Inventory.

TSCA Section 12(b) annual:
None.

TSCA Section 12(b) one time:
None.

Canadian Inventory Status:
All components are listed on or are exempt from listing on the Canadian
Domestic Substances List.

California Proposition 65:
This product contains chemicals known to the state of California to
cause cancer, birth defects, or other reproductive harm. (Ethylene
oxide). This product contains saccharin. No proposition 65 warning is
necessary for saccharin if this product is used as reasonably

16. OTHER INFORMATION

NFPA Code:
Health: 2
Flammability: 1
Reactivity: 0
Special: None

HMIS Code:
Health: 2 *
Flammability: 1
Reactivity: 0
Protective Equipment: See Section 8.