



Revision Date: 01/31/2006

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: LiteTak(R) 3701 Adhesive
Product type: Ultraviolet adhesive
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 21357
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Urethane Acrylate UNKNOWN	60-100	None	None	None
Modified acrylamide 2680-03-7	10-30	None	None	0.1 mg/m ³ TWA (skin) 0.025 ppm TWA (skin)
Triacrylate ester 28961-43-5	5-10	None	None	None
Photoinitiator 24650-42-8	1-5	None	None	None
Substituted hydroxyalkyl methacrylate 16926-87-7	1-5	None	None	None
Benzoic acid derivative 10287-53-3	1-5	None	None	None

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW****HMIS:**

Physical state: Liquid
Color: Clear Yellow
Odor: Mild

HEALTH: 2*
FLAMMABILITY: 2
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

WARNING: COMBUSTIBLE LIQUID
HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED.
DO NOT SPRAY. DO NOT HEAT.
MAY CAUSE ALLERGIC SKIN REACTION.
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects**Inhalation:**

Modified acrylamide is harmful if inhaled. Vapors and mists will irritate the respiratory tract and nasal passages. Headache. Nausea. DO NOT heat or spray as this increases the inhalation hazard. Spraying and/or heating product increases the inhalation hazard.

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Skin contact:	Modified acrylamide may be absorbed through skin in harmful amounts. Toxic. May cause allergic skin reaction. Irritating to skin.
Eye contact:	Contact with eyes will cause irritation.
Ingestion:	Modified acrylamide is harmful if swallowed. Toxic.

Existing conditions aggravated by exposure:	None known
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See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If symptoms develop and persist, get immediate medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical attention if symptoms occur.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
Ingestion:	Do not induce vomiting. Keep individual calm. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flash point:	83°C (181.4°F) Pensky Martens closed cup
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	Not available
Flammable/Explosive limits-upper %:	Not available
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Irritating organic vapors. Toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Remove sources of ignition. Prevent product from entering drains or open waters.
Clean-up methods:	Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. DO NOT heat or spray. Use only with adequate ventilation. Refer to Section 8. Use only in area provided with appropriate exhaust ventilation.
Storage:	For safe storage, store at or below 26°C (80°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Exposure limits have not been established for modified acrylamide. Application of this product requires the use of a NIOSH approved respirator and impermeable protective clothing when engineering controls (e.g. local exhaust ventilation, negative pressure spray booth) are not sufficient to prevent inhalation or skin contact, for instance when product is heated and/or sprayed. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
Respiratory protection:	When engineering controls are not sufficient to prevent inhalation, the use of a NIOSH approved respirator is required. The use of a self contained breathing apparatus (SCBA) is required since the occupational exposure limit for modified acrylamide is unknown. Use NIOSH approved respirator if there is potential to exceed exposure limit(s). If this material is handled at elevated temperatures or under mist forming conditions, without engineering controls, a NIOSH approved respirator must be used.
Skin protection:	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves.
Eyel/face protection:	Safety goggles or safety glasses with side shields. In a splash hazard environment, chemical goggles should be used in combination with a full face shield.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Clear Yellow
Odor:	Mild
Vapor pressure:	Less than 5 mm Hg at 20°C (68°F)
pH:	Not applicable
Boiling point/range:	Greater than 149°C (300°F)
Melting point/range:	Not available
Specific gravity:	1.454
Vapor density:	Not available
Evaporation rate:	Not available
Solubility in water:	Slight
Partition coefficient (n-octanol/water):	Not available
VOC content:	ASTM D5403 Process volatiles 0.43 %, 4.9 grams/liter; Potential volatiles 0.69 %, 7.9 grams/liter; Total volatiles 1.12 %, 12.8 grams/liter.

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Irritating organic vapors. Dimethylamine.
Incompatability:	Strong oxidizers.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition. Do not heat above 26°C (80°F).

11. TOXICOLOGICAL INFORMATION

Product toxicity data:	Modified acrylamide: LD50 (oral, rat) 316 mg/kg LD50 (dermal, rabbit) 518 mg/kg LC50 (vapor, 1hour, rat) greater than 776 ppm
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Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Urethane Acrylate UNKNOWN	No	No	No
Modified acrylamide 2680-03-7	No	No	No
Triacrylate ester 28961-43-5	No	No	No
Photoinitiator 24650-42-8	No	No	No
Substituted hydroxyalkyl methacrylate 16926-87-7	No	No	No
Benzoic acid derivative 10287-53-3	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Urethane Acrylate UNKNOWN	No data
Modified acrylamide 2680-03-7	Less weight gain and food intake., Mutagen, Kidney, Irritant, Eyes
Triacrylate ester 28961-43-5	Allergen, Irritant
Photoinitiator 24650-42-8	No Target Organs
Substituted hydroxyalkyl methacrylate 16926-87-7	Allergen, Irritant
Benzoic acid derivative 10287-53-3	No Target Organs

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

WaterTransportation (IMO/IMDG):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None
Marine pollutant: None known

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	4-Methoxyphenol (150-76-5).
CERCLA/SARA Section 302 EHS:	None above reporting de minimus.
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard, Fire
CERCLA/SARA 313:	None.
California Proposition 65:	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDL Status:	All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class:	B.3, D.1.B, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 3,7,8

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