Revision Number: 003.0

Issue date: 01/20/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: 3526 HT/UV FLX TGH AD 25ML SYR
Product type: Light Curing Adhesive

IDH number: 235065
Item number: 30756
Region: United States

Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Contact information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Liquid
Color: Light, Straw
Odor: Sharp, Irritating

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

WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY BE HARMFUL IF SWALLOWED OR INHALED.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause irritation to nose and throat.
Skin contact: Causes skin irritation. May cause allergic skin reaction.
Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation if swallowed.

Existing conditions aggravated by exposure: Skin disorders. Eye disorders. Acrylic acid: Respiratory disorders. Lung disease.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Polyurethane Methacrylate Resin	Proprietary	30 - 60
2-Hydroxyethyl methacrylate	868-77-9	10 - 30
High boiling methacrylate	7534-94-3	10 - 30
Acrylate monomer	Proprietary	5 - 10
Urethane Acrylate Prepolymer	Unknown	1 - 5
Diacrylate ester	Proprietary	1 - 5
Hydroxyalkyl methacrylate	27813-02-1	1 - 5
Tert-butyl perbenzoate	614-45-9	1 - 5
Photoinitiator	Proprietary	1 - 5
Photoinitiator	Proprietary	1 - 5
Acrylic acid	79-10-7	1 - 5
Ethylene glycol	107-21-1	0.1 - 1

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.

Skin contact: Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.

Eye contact: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Keep individual calm. Never give anything by mouth to an unconscious person. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash point: > 93.4 °C (> 200.12 °F) Tagliabue 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 firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards: None

Hazardous combustion products: Oxides of carbon. Oxides of nitrogen. Irritating organic vapours. Isocyanates. Hydrogen cyanide. Amines.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: Do not allow product to enter sewer or waterways.

Clean-up methods: Remove all sources of ignition. Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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 taste or swallow. Use only with adequate ventilation. Keep away from heat, spark and flame.

Storage: For safe storage, store at or below 38 °C (100.4 °F)
Store away from heat, sparks, flames, or other sources of ignition.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Polyurethane Methacrylate Resin	None	None	None	None
2-Hydroxyethyl methacrylate	None	None	None	3 ppm Ceiling
High boiling methacrylate	None	None	None	None
Acrylate monomer	None	None	None	None
Urethane Acrylate Prepolymer	None	None	None	None
Diacrylate ester	None	None	None	None
Hydroxyalkyl methacrylate	None	None	None	1 ppm TWA 3 ppm STEL
Tert-butyl perbenzoate	None	None	None	None
Photoinitiator	None	None	None	None
Photoinitiator	None	None	None	None
Acrylic acid	2 ppm TWA (SKIN)	None	None	1 ppm TWA 3 ppm STEL (SKIN)
Ethylene glycol	100 mg/m3 Ceiling Aerosol.	None	None	None

Engineering controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

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

Eye/face protection: Safety goggles or safety glasses with side shields.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Light, Straw
Odor: Sharp, Irritating
Odor threshold: Not available
pH: Not applicable
Vapor pressure: < 10 mm Hg (75 °F (23.9 °C))
Boiling point/range: > 300 °F (> 148.9 °C)
Melting point/ range: Not available
Specific gravity: 1.0633
Vapor density: Not available
Flash point: > 93.4 °C (> 200.12 °F) Tagliabue closed cup
Flammable/Explosive limits - lower: Not available
Flammable/Explosive limits - upper: Not available
Autoignition temperature: Not available
Evaporation rate: Not available
Solubility in water: Slight
Partition coefficient (n-octanol/water): Not available
VOC content: 1.39 %; 14.78 g/l (process)
0.91 %; 9.68 g/l (potential)
2.30 %; 24.46 g/l (total)
(ASTM D5403)

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

Hazardous decomposition products: Oxides of carbon. Oxides of nitrogen. Irritating organic vapours. Isocyanates. Hydrogen cyanide. Amines.

Incompatible materials: Strong oxidizing agents. Reducing agents. Strong acids and strong bases. Peroxides. Free radical initiators.

Conditions to avoid: Store away from incompatible materials. Keep away from heat, spark and flame.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Polyurethane Methacrylate Resin	No	No	No
2-Hydroxyethyl methacrylate	No	No	No
High boiling methacrylate	No	No	No
Acrylate monomer	No	No	No
Urethane Acrylate Prepolymer	No	No	No
Diacrylate ester	No	No	No
Hydroxyalkyl methacrylate	No	No	No
Tert-butyl perbenzoate	No	No	No
Photoinitiator	No	No	No
Photoinitiator	No	No	No
Acrylic acid	No	No	No
Ethylene glycol	No	No	No

Hazardous components	Health Effects/Target Organs
Polyurethane Methacrylate Resin	Irritant, Allergen
2-Hydroxyethyl methacrylate	Irritant, Allergen
High boiling methacrylate	Irritant, Allergen
Acrylate monomer	Irritant, Allergen
Urethane Acrylate Prepolymer	Irritant, Allergen
Diacrylate ester	Irritant, Allergen, Eyes
Hydroxyalkyl methacrylate	Irritant, Allergen
Tert-butyl perbenzoate	Central nervous system, Irritant, Mutagen
Photoinitiator	No Records
Photoinitiator	No Records
Acrylic acid	Allergen, Corrosive, Irritant, Kidney, Liver
Ethylene glycol	Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic

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.

Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

Proper shipping name: Not regulated
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

Water Transportation (IMO/IMDG)

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

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: None above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Acrylic acid (CAS# 79-10-7).

California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDSL Status: Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.
WHMIS hazard class: D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format. 2,3,4,5,8,9,10,11, and 15

Prepared by: Jennifer Glieco, Regulatory Affairs Specialist

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.