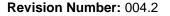
Material Safety Data Sheet







1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Product type:

Company address:

Henkel Corporation

Rocky Hill, Connecticut 06067

One Henkel Way

3311 Light Cure Adhesive Medical Device Adhesive Ultraviolet adhesive IDH number:

146461

Item number:19737Region:United StatesContact information:Telephone:860.571.5100Emergency telephone:860.571.5100Internet:www.henkelna.com

2. HAZARDS IDENTIFICATION

		EMERGENCY OVERVIEW HMIS:	
Physical state:	Liquid	HEALTH:	*2
Color:	Pale yellow	FLAMMABILITY:	2
Odor:	Mild	PHYSICAL HAZARD:	1
		Personal Protection:	See MSDS Section 8
WARNING	G: COMB	JSTIBLE LIQUID AND VAPOR.	
	HARM	FUL IF SWALLOWED, ABSORBED THROUG	GH SKIN OR INHALED.
		T SPRAY, DO NOT HEAT.	
		AUSE ALLERGIC SKIN REACTION.	
		ES EYE, SKIN AND RESPIRATORY TRACT I	
	CA031	SETE, SKIN AND RESPIRATORT TRACT	
Relevant routes of ex Potential Health Effect	•	n, Inhalation, Eyes, Ingestion	
Inhalatior	will	dified acrylamide is harmful if inhaled. Causes respiratory irritate nose and throat and possibly eyes. Headache. Na increases the inhalation hazard.	
Skin cont	act: Mo	dified acrylamide may be absorbed through skin in harmf rgic skin reaction. Causes skin irritation.	ul amounts. Toxic. May cause
Eye conta	act: Co	ntact with eyes will cause irritation.	
Ingestion	: Mo	dified acrylamide is harmful if swallowed. Toxic.	
Existing conditions a exposure:	ggravated by Eye	e, skin, and respiratory disorders.	
		s material is considered hazardous by the OSHA Hazard 0.1200).	Communication Standard (29 CF

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Acrylate monomer	Proprietary	30 - 60
Urethane Polymer	Proprietary	30 - 60
Modified acrylamide	2680-03-7	10 - 30
Photoinitiator	24650-42-8	1-5
Substituted silane	Proprietary	1 - 5
Photoinitiator	Proprietary	1 - 5

4	. FIRST AID MEASURES
Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Immediately wash skin thoroughly with soap and water. Remove contamina clothing and footwear. If symptoms develop and persist, get medical attention Wash clothing before reuse.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 1 minutes. Get immediate medical attention.
Ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. Keep individual calm. Get immediate medical attention.
5. F	FIRE FIGHTING MEASURES
Flash point:	77.2 °C (170.96 °F) Pensky Martens closed cup
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such a turn-out gear. Water may be unsuitable as an extinguishing media, but may helpful in keeping adjacent containers cool.
Unusual fire or explosion hazards:	Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus. Oxides of silic Formaldehyde. Hydrogen cyanide. Amines. Isocyanates. Toxic fumes. Irritating organic vapours.

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:	Remove all sources of ignition. Do not allow product to enter sewer or waterways.
Clean-up methods:	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. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.
	7. HANDLING AND STORAGE
Handling:	Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. DO NOT heat or spray. Use only in area provided with appropriate exhaust ventilation. Refer to Section 8.
Storage:	For safe storage, store at or below 26 °C (78.8 °F) Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
For information on pr	oduct 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
Acrylate monomer	None	None	None	None
Urethane Polymer	None	None	None	None
Modified acrylamide	None	None	None	0.1 mg/m3 TWA (Skin) 0.025 ppm TWA (Skin)
Photoinitiator	None	None	None	None
Substituted silane	None	None	None	None
Photoinitiator	None	None	None	None
Engineering controls:			ended when general v ination below occupat	
Respiratory protection:	limit(s). If this r	naterial is handled at	ere is potential to exc elevated temperature ing controls, a NIOSF	s or under mist
Eye/face protection:			h side shields. Full fac or spraying of produc	
Skin protection:	Use impermea contact. Neopr		tive clothing as neces	sary to prevent skin
9. PH	IYSICAL AND CHEM	ICAL PROPER	TIES	
Physical state: Color: Odor: Odor threshold: pH: Vapor pressure: Boiling point/range: Melting point/range: Specific gravity:	Liquid Pale yellow Mild Not available Not available > 93 °C (> 199 Not available 1 1013			

Boiling point/range: Melting point/ range: Specific gravity: Vapor density: Flash point: Flammable/Explosive limits - lower: Flammable/Explosive limits - upper: Autoignition temperature: Evaporation rate: Solubility in water: Partition coefficient (n-octanol/water): VOC content: Pale yellow Mild Not available Not applicable Not available > 93 °C (> 199.4 °F) Not available 1.1013 Not available 77.2 °C (170.96 °F) Pensky Martens closed cup Not available Not available Not available Not available Slight Not available 4.12 %; 45.37 g/l (process) 0.68 %; 7.49 g/l (potential) 4.8 %; 52.86 g/l (total) (ASTM D5403)

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Hazardous reactions:	May occur.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen. Oxides of silicon. Oxides of phosphorus. Irritating organic vapours. Formaldehyde. Isocyanates. Hydrogen cyanide. Amines.
Incompatible materials:	Strong oxidizing agents. Strong reducing agents. Strong acids and strong bases. Free radical initiators. Water. Humid air.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition. Avoid temperatures above 26°C (80°F). Store away from incompatible materials. Ultraviolet radiation. Direct sunlight. Freezing conditions.

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.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Acrylate monomer	No	No	No
Urethane Polymer	No	No	No
Modified acrylamide	No	No	No
Photoinitiator	No	No	No
Substituted silane	No	No	No
Photoinitiator	No	No	No

Hazardous components	Health Effects/Target Organs
Acrylate monomer	Irritant, Allergen
Urethane Polymer	No Records
Modified acrylamide	Irritant, Eyes, Mutagen, Kidney, Less weight gain and food intake.
Photoinitiator	No Target Organs
Substituted silane	Irritant, Allergen
Photoinitiator	No Records

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: Hazard class or division: Identification number: Packing group: Combustible liquid, n.o.s. (N,N-Dimethylacrylamide) Combustible Liquid NA 1993 III

Proper shipping name: Hazard class or division: Identification number: Packing group:	O/IATA) Environmentally hazardous substance, liquid, n.o.s. (2,2-Dimethoxy-1,2- diphenylethan-1-one, Isobornyl acrylate) 9 UN 3082 III
Water Transportation (IMO/IMDG) Proper shipping name: Hazard class or division: Identification number: Packing group: Marine pollutant:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2- Dimethoxy-1,2-diphenylethan-1-one, Isobornyl acrylate) 9 UN 3082 III 2,2-Dimethoxy-1,2-diphenylethan-1-one, Isobornyl acrylate
	15. REGULATORY INFORMATION
ited States Regulatory Information	
inted otates rregulatory information	
TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 8 (b) Inventory Status:	Inventory.
TSCA 8 (b) Inventory Status: TSCA 12(b) Export Notification: CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312:	Inventory. None above reporting de minimus None above reporting de minimus Immediate Health, Delayed Health, Fire
TSCA 8 (b) Inventory Status: TSCA 12(b) Export Notification: CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA 313:	Inventory. None above reporting de minimus None above reporting de minimus Immediate Health, Delayed Health, Fire None above reporting de minimus

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Tricia Voghell, Regulatory Affairs Specialist

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