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Revision Number: 001.1 Issue date: 11/16/2010

### 1. PRODUCT AND COMPANY IDENTIFICATION

IDH number:

Product name: 334 Structural Adhesive Magnet

Bonder

Product type: Tough acrylic

ugh acrylic Item number: 33470
Region: United States

Company address:Contact information:Henkel CorporationTelephone: 860.571.5100

One Henkel Way MEDICAL EMERGENCY Phone: Poison Control Center Rocky Hill, Connecticut 06067 1-877-671-4608 (toll free) or 1-303-592-1711

1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887

232749

Internet: www.henkelna.com

#### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW** 

Personal Protection: See MSDS Section 8

WARNING: COMBUSTIBLE LIQUID AND VAPOR.

CAUSES EYE IRRITATION.

MAY CAUSE SKIN AND RESPIRATORY TRACT IRRITATION.

MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF SWALLOWED.

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

**Potential Health Effects** 

**Inhalation:** May cause respiratory tract irritation. May cause irritation to nose and throat.

**Skin contact:** May cause 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:

Eye, skin, and respiratory disorders.

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	%
Aromatic methacrylate ester	2495-37-6	30 - 60
Methacrylic acid	79-41-4	10 - 30
Maleimide resin	3006-93-7	5 - 10
Tert-butyl perbenzoate	614-45-9	1 - 5
Silica, amorphous, fumed, crystal-free	112945-52-5	1 - 5
1,3-Butylene glycol dimethacrylate	1189-08-8	1 - 5

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## 4. FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give

artificial respiration. Get medical attention.

Skin contact: Immediately wash skin thoroughly with soap and water. 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. Never give anything by mouth to an unconscious

person. Keep individual calm. Get medical attention.

### 5. FIRE FIGHTING MEASURES

Flash point: 81.5 °C (178.7 °F) Pensky Martens closed cup

Autoignition temperature:

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.

Uncontrolled polymerization may cause rapid evolution of heat and increase in

pressure that could result in violent rupture of sealed storage vessels or containers. Vapors may travel considerable distance to source of ignition and

flash back.

Hazardous combustion products: Oxides of carbon. Oxides of nitrogen. 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:**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. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

## 7. HANDLING AND STORAGE

Handling: Use only with adequate ventilation. Keep away from heat, spark and flame.

Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. Refer to Section 8.

Storage: For safe storage, store at or below 38 °C (100.4 °F)

Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Protect from direct sunlight.

Do not freeze.

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
Aromatic methacrylate ester	None	None	None	None
Methacrylic acid	20 ppm TWA	None	None	None
Maleimide resin	None	None	None	None
Tert-butyl perbenzoate	None	None	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m3 TWA	None	None
1,3-Butylene glycol dimethacrylate	None	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. Full face protection should

be used if the potential for splashing or spraying of product exists. Safety

showers and eye wash stations should be available.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin

contact.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid Yellow Color: Odor: None Odor threshold: Not available pH: Not available Not available Vapor pressure: Boiling point/range: Not available Melting point/ range: Not available Specific gravity: 1.0623 at 25 °C (77°F)

Vapor density: Not available

Flash point: 81.5 °C (178.7 °F) Pensky Martens closed cup

Flammable/Explosive limits - lower:

Flammable/Explosive limits - upper:

Autoignition temperature:

Evaporation rate:

Solubility in water:

Partition coefficient (n-octanol/water):

Not available

Not available

Not available

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**VOC content:** 0.59 % (Adhesive and Activator mixed)

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.

Hazardous reactions: None under normal processing. Polymerization may occur at elevated

temperature or in the presence of incompatible materials.

Hazardous decomposition products: Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.

Incompatible materials: Strong oxidizing agents. Free radical initiators. Reducing agents. Oxygen

scavengers. Amines. Acids. Heavy metals. Ammonia. Alkalis. Peroxides. Do

not mix adhesive with primer in bulk.

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

materials. Protect from direct sunlight. Freezing conditions. Loss of

polymerization inhibitor. Inert gas blanketing. UV light.

### 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Aromatic methacrylate ester	No	No	No
Methacrylic acid	No	No	No
Maleimide resin	No	No	No
Tert-butyl perbenzoate	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No
1,3-Butylene glycol dimethacrylate	No	No	No

Hazardous components	Health Effects/Target Organs		
Aromatic methacrylate ester	Irritant, Allergen		
Methacrylic acid	Corrosive, Irritant, Allergen		
Maleimide resin	No Target Organs		
Tert-butyl perbenzoate	Central nervous system, Irritant, Mutagen		
Silica, amorphous, fumed, crystal-free	Nuisance dust		
1,3-Butylene glycol dimethacrylate	Irritant, Allergen		

## 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: Wastes must be tested using methods described in 40 CFR Part 261 to

determine if it meets applicable definitions of hazardous wastes.

#### 14. TRANSPORT INFORMATION

The shipping classification in this section are for bulk packaging only. Shipping classification may be different for non-bulk packaging as exceptions may apply. Refer to shipping documents for package specific transportation classification.

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

Proper shipping name: Combustible liquid, n.o.s. (Methylacrylic acid)

Hazard class or division: Combustible Liquid

Identification number: NA 1993 Packing group: III

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International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated

Hazard class or division:
Identification number:
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:
CERCLA/SARA Section 311/312:
CERCLA/SARA 313:

None above reporting de minimus
Immediate Health, Delayed Health, Fire
None above reporting de minimus

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

product contains a chemical known to the State of California to cause birth defects or other

reproductive harm.

**Canada Regulatory Information** 

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic

Substances List.

WHMIS hazard class: B.3, D.2.B

#### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 9

Prepared by: Katherine Caddy, Regulatory Affairs Specialist

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