



Revision Date: 06/23/2006

Issue date: 06/23/2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: 3876 Part B
Product type: Anaerobic
Company address:
Henkel Corporation
15051 East Don Julian Road
Industry, California 91746

Item No. : TC3876B
Region: United States
Contact Information:
Telephone: 626.968.6511
Emergency Telephone: 860.571.5100
Internet: www.electronics.henkel.us

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Aluminum oxide 1344-28-1	30-60	10 mg/m ³ TWA particulate matter containing no asbestos and < 1% crystalline silica	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable fraction	None
Boron nitride 10043-11-5	10-30	None	None	None
Polyurethane methacrylate resin Proprietary	5-10	None	None	None
Hydroxyalkyl methacrylate 27813-02-1	5-10	None	None	1 ppm TWA; 3 ppm STEL
Urethane methacrylate polyester resin Unknown	5-10	None	None	None
Methacryloyloxyethyl Ester Proprietary	5-10	None	None	None
High boiling methacrylate Proprietary	1-5	None	None	None
Acrylic acid 79-10-7	1-5	2 ppm TWA (skin)	10 ppm TWA; 30 mg/m ³	1 ppm TWA (skin); 3 ppm STEL (skin)
Soda lime borosilicate glass 65997-17-3	0.1-1	1 fiber/cm ³ TWA respirable fibers: length > 5 µm, aspect ratio equal to or greater than 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination. 5 mg/m ³ TWA inhalable fraction	0.1 mg/m ³ TWA	None

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Item No. : TC3876B

Product name: 3876 Part B

Physical state: Liquid/paste
Color: Light blue
Odor: Mild, Characteristic

HMIS:

HEALTH: 3*
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

WARNING: CAUSES EYE, 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: Causes respiratory tract irritation. Shortness of breath. Coughing.
Skin contact: Causes skin irritation. May cause allergic skin reaction. Prolonged contact with skin may cause dermatitis. Itching. Redness.
Eye contact: Causes eye irritation. Pain and discomfort. Blurred vision. Excess tearing.
Ingestion: May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful to the liver or kidneys if swallowed.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders. Skin allergies.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

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

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

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Give a conscious person several glasses of water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms develop and persist.

5. FIRE-FIGHTING MEASURES

Flash point: 107°C (224°F) Setaflash 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 fire fighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Use water spray to keep fire exposed containers cool.

Unusual fire or explosion hazards: Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

Hazardous combustion products: Oxides of carbon. Oxides of nitrogen. Oxides of boron. Hydrocarbons.

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6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	Ensure adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection. Scrape up spilled material and place in sealed container for disposal.

7. HANDLING AND STORAGE

Handling:	Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Do not breathe mist or vapors. Keep container closed. Wash thoroughly after handling.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. For safe storage, store between 5°C (41°F) and 10°C (50°F).
Incompatible products:	Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at (626) 968-6511

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Skin protection:	Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Butyl rubber gloves.
Eye/face protection:	Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid/paste
Color:	Light blue
Odor:	Mild, Characteristic
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	1.69
Vapor density:	Not available
Evaporation rate:	Not available
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	0.053%; 0.8957 grams/liter (EPA Method 24)

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions
Hazardous polymerization:	None under normal processing.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen. Boron oxides. Hydrocarbons.
Incompatibility:	Strong oxidizers. Strong acids and strong bases. Free radical initiators. Reducing agents. Heavy metals.
Conditions to avoid:	Storage with incompatible materials. Heat, flames, sparks and other sources of ignition. Ultraviolet radiation.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Aluminum oxide 1344-28-1	No	No	No
Boron nitride 10043-11-5	No	No	No
Polyurethane methacrylate resin Proprietary	No	No	No
Hydroxyalkyl methacrylate 27813-02-1	No	No	No
Urethane methacrylate polyester resin Unknown	No	No	No
Methacryloyloxyethyl Ester Proprietary	No	No	No
High boiling methacrylate Proprietary	No	No	No
Acrylic acid 79-10-7	No	No	No
Soda lime borosilicate glass 65997-17-3	Suspect Carcinogen	Group 2B	Yes

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Aluminum oxide 1344-28-1	Corrosive, Irritant, Nuisance dust
Boron nitride 10043-11-5	Corrosive, Irritant
Polyurethane methacrylate resin Proprietary	Allergen, Irritant
Hydroxyalkyl methacrylate 27813-02-1	Allergen, Irritant
Urethane methacrylate polyester resin Unknown	Allergen, Irritant
Methacryloyloxyethyl Ester Proprietary	No Records
High boiling methacrylate Proprietary	Allergen, Irritant
Acrylic acid 79-10-7	Allergen, Corrosive, Irritant, Kidney, Liver
Soda lime borosilicate glass 65997-17-3	Allergen, Respiratory

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:	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: 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
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). Fatty acids, C6-C19 branched, cobalt(2+) salts (CAS # 68409-81-4).

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

Canada Regulatory Information

CEPA DSL/NDL Status: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.
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: First issue.

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