



Revision Date: 02/07/2005

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: 24CC 312 WIP
Product type: Anaerobic Adhesive
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No.: 7003326
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> |
|---|----------|---------------------|----------------------------------|--|
| Hydroxyalkyl methacrylate 27813-02-1 | 30-60 | None | None | 1 ppm TWA; 3 ppm STEL |
| Polyurethane methacrylate resin Unknown | 30-60 | None | None | None |
| Polyurethane methacrylate resin Unknown | 10-30 | None | None | None |
| Acrylic acid 79-10-7 | 5-10 | 2 ppm TWA (skin) | 10 ppm TWA; 30 mg/m ³ | 1 ppm TWA (skin); 3 ppm STEL (skin) |
| Cumene hydroperoxide 80-15-9 | 1-5 | None | None | 1 ppm (6 mg/m ³) Skin (WEEL) |
| Polyglycol dimethacrylate 109-16-0 | 1-5 | None | None | None |
| Methacrylic acid 79-41-4 | 1-5 | 20 ppm TWA | None | None |
| gamma- Methacryloxypropyltrimethoxysilane 2530-85-0 | 1-5 | None | None | None |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Liquid
Color: Clear Amber
Odor: Sharp

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

Item No.: 7003326

Product name: 24CC 312 WIP

Inhalation: Vapors and mist irritate the respiratory tract and nasal passages.
Skin contact: May cause allergic skin reaction. Irritating to skin.
Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion: May be harmful if swallowed.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders. Acrylic acid: Respiratory disorders. Lung disease.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

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. Keep individual calm. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: Greater than 93°C (200°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 fire fighting 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 vapors.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent product from entering drains or open waters.

Clean-up methods: Ensure adequate ventilation. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

| | |
|-------------------------------|--|
| Handling: | Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation. |
| Storage: | For safe storage, store at or below 38°C (100°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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|--------------------------------|---|
| Engineering controls: | Use local exhaust ventilation to maintain airborne concentrations below established exposure limits. |
| Respiratory protection: | Use NIOSH approved respirator if there is potential to exceed exposure limit(s). |
| Skin protection: | Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. |
| Eye/face protection: | Safety goggles or safety glasses with side shields. |

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--------------------------------------|
| Physical state: | Liquid |
| Color: | Clear Amber |
| Odor: | Sharp |
| Vapor pressure: | Less than 10 mm Hg at 27°C (80°F) |
| pH: | Not applicable |
| Boiling point/range: | Greater than 149°C (300°F) |
| Melting point/range: | Not available |
| Specific gravity: | 1.08 |
| Vapor density: | Not available |
| Evaporation rate: | Not available |
| Solubility in water: | Slight |
| Partition coefficient (n-octanol/water): | Not available |
| VOC content: | 49%; 529 grams/liter (EPA Method 24) |

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable. |
| Hazardous polymerization: | Will not occur. |
| Hazardous decomposition products: | Oxides of carbon. Oxides of nitrogen. Phenols. Irritating organic vapors. |
| Incompatibility: | Strong oxidizers. Strong reducing agents. Amines. Strong acids. Heavy metals. Peroxides. Free radical initiators. |
| Conditions to avoid: | See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). |

11. TOXICOLOGICAL INFORMATION

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|-------------------------------|--|
| Product toxicity data: | Acute LD50 (oral) :Greater than 10000 mg/kg(rat). Acute LD50 (dermal) :Greater than 5000 mg/kg (rabbit). |
|-------------------------------|--|

Carcinogen Status

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen |
|---|----------------|-----------------|-----------------|
| Hydroxyalkyl methacrylate 27813-02-1 | No | No | No |
| Polyurethane methacrylate resin Unknown | No | No | No |
| Polyurethane methacrylate resin Unknown | No | No | No |
| Acrylic acid 79-10-7 | No | No | No |
| Cumene hydroperoxide 80-15-9 | No | No | No |
| Polyglycol dimethacrylate 109-16-0 | No | No | No |
| Methacrylic acid 79-41-4 | No | No | No |
| gamma-Methacryloxypropyltrimethoxysilane 2530-85-0 | No | No | No |

Literature Referenced Target Organ & Other Health Effects

| Hazardous components | Health Effects/Target Organs |
|---|--|
| Hydroxyalkyl methacrylate 27813-02-1 | Allergen, Irritant |
| Polyurethane methacrylate resin Unknown | Allergen, Irritant |
| Polyurethane methacrylate resin Unknown | Allergen, Irritant |
| Acrylic acid 79-10-7 | Allergen, Corrosive, Irritant, Kidney, Liver |
| Cumene hydroperoxide 80-15-9 | Allergen, Central nervous system, Corrosive, Irritant, Mutagen |
| Polyglycol dimethacrylate 109-16-0 | Allergen, Irritant |
| Methacrylic acid 79-41-4 | Allergen, Corrosive, Irritant |
| gamma-Methacryloxypropyltrimethoxysilane 2530-85-0 | Allergen, Irritant |

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

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: Unrestricted
Hazard class or division: None
Identification number: None

Item No. : 7003326

Product name: 24CC 312 WIP

Packing group: None

WaterTransportation (IMO/IMDG):

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None
Marine pollutant: 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). Cumene hydroperoxide (CAS# 80-15-9).

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/NDSL 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. Those components must be tracked by all Canadian Importers of Record as required by the Canadian Environmental Protection Agency. They may be imported into Canada in limited quantities. Please contact Loctite Health & Regulatory Affairs Department for details.

WHMIS hazard class: D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Expanded chemical information in Section 2 and related sections.

Prepared by: Kyra Kozak Woods, Health and Regulatory Affairs Specialist

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