Material Safety Data Sheet

Henkel Technologies

Revision Date: 01/15/2008 **Issue date:** 01/15/2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE H8700 SPEED 400ML PT A
Product type: Acrylics
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 1064170_193349 / IDH No. 1064170
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
Methyl methacrylate 80-62-6	30-60	50 ppm TWA 100 ppm STEL	100 ppm TWA 410 mg/m³ TWA	50 ppm
Hydroxyalkyl methacrylate 868-77-9	5-10	None	None	3 ppm (ceiling)
Polyethylene based rubber Proprietary	5-10	None	None	None
Methacrylate ester Proprietary	1-5	None	None	None
Methacrylic acid 79-41-4	1-5	20 ppm TWA	None	None
Methacrylate ester Proprietary	1-5	None	None	None
Polyester Polyol UNKNOWN	1-5	None	None	None
2,6-Di-t-butyl-p-cresol 128-37-0	1-5	2 mg/m^3 TWA	None	None
4-Methoxyphenol 150-76-5	1-5	5 mg/m^3 TWA	None	None
Talc 14807-96-6	0.1-1	2 mg/m^3 TWA particulate matter containing no asbestos and <1% crystalline silica	= 20 mppcf TWA	50 ppm

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid/paste
Color: White Opaque
Odor: Sharp

HMIS:

HEALTH:	2*
FLAMMABILITY:	3
PHYSICAL HAZARD:	1
Personal Protection:	See Section 8

WARNING: FLAMMABLE LIQUID AND VAPOR.
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION
MAY CAUSE ALLERGIC SKIN REACTION.
MAY BE HARMFUL IF SWALLOWED.

Relevant routes of exposure: Inhalation, Skin contact, Eye contact, Ingestion

Potential Health Effects

Inhalation:	Causes respiratory tract irritation. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.
Skin contact:	Causes skin irritation. May cause allergic skin reaction.
Eye contact:	Contact with eyes will cause irritation.
Ingestion:	Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance. May irritate mouth, throat, and stomach if swallowed.
Existing conditions aggravated by exposure:	Eye, skin, and respiratory disorders.

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:	9°C (48.2°F) Pensky Martens 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:	None
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. Aldehydes. Alcohols. Hydrocarbons. Hydrogen chloride. Acrid smoke and fumes. Toxic fumes. Irritating organic vapors.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	Remove all ignition sources. Ensure adequate ventilation. Soak up with inert absorbent. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. Make sure containers are properly grounded before use or transfer of material.

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 at or below 32°C (90°F).

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: Chemical resistant, impermeable gloves. Nitrile gloves. Natural rubber 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/paste
Color:	White Opaque
Odor:	Sharp
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Greater than 100°C (212°F)
Melting point/range:	Not available
Specific gravity:	0.9887
Vapor density:	Greater than 1
Evaporation rate:	Faster than ether
Solubility in water:	Slightly soluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	0.84%; 8.153 grams/liter (Adhesive and Activator mixed)

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: May occur.

Hazardous decomposition products: Oxides of carbon. Oxides of nitrogen. Hydrogen chloride. Hydrogen cyanide. Alcohols. Aldehydes. Toxic fumes. Irritating organic vapors. Carbon tetrachloride.

Incompatability: Oxidizing agents. Reducing agents. Heavy metals. Acids. Bases. Free radical initiators.

Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatabilty" (Section 10). Do not mix in batches greater than 100 grams (0.220 pounds) unless you plan to use immediately.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Methyl methacrylate 80-62-6	No	No	No
Hydroxyalkyl methacrylate 868-77-9	No	No	No
Polyethylene based rubber Proprietary	No	No	No
Methacrylate ester Proprietary	No	No	No
Methacrylic acid 79-41-4	No	No	No
Methacrylate ester Proprietary	No	No	No
Polyester Polyol UNKNOWN	No	No	No
2,6-Di-t-butyl-p-cresol 128-37-0	No	No	No
4-Methoxyphenol 150-76-5	No	No	No
Talc 14807-96-6	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Methyl methacrylate 80-62-6	Allergen, Irritant, Kidney, Liver, Nervous System, Respiratory, Mutagen
Hydroxyalkyl methacrylate 868-77-9	Allergen, Irritant
Polyethylene based rubber Proprietary	No Target Organs
Methacrylate ester Proprietary	Allergen, Irritant
Methacrylic acid 79-41-4	Allergen, Corrosive, Irritant
Methacrylate ester Proprietary	Allergen, Irritant
Polyester Polyol UNKNOWN	No data
2,6-Di-t-butyl-p-cresol 128-37-0	Mutagen, Irritant
4-Methoxyphenol 150-76-5	Central nervous system, Corrosive, Eyes, Irritant, Skin
Talc 14807-96-6	Some evidence of carcinogenicity, Lung, 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: D001: Ignitable. D019: Carbon tetrachloride.

14. TRANSPORT INFORMATION

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

Proper shipping name: Adhesives

Hazard class or division:	3
Identification number:	UN 1133
Packing group:	II
Exceptions:	Consumer Commodity ORM-D (Not more than 5 L)
Marine pollutant:	None

International Air Transportation (ICAO/IATA):

Proper shipping name:	Adhesives
Hazard class or division:	3
Identification number:	UN 1133
Packing group:	II
Exceptions:	May Qualify as Consumer Commodity ID8000 (Not more than 500 ml)

WaterTransportation (IMO/IMDG):

Proper shipping name:	Adhesives
Hazard class or division:	3
Identification number:	UN1133
Packing group:	II
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.
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard, Fire
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). Methyl Methacrylate (CAS# 80-62-6) .
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:	Contains one or more components listed on the Non-Domestic Substances list.
WHMIS hazard class:	B.2, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: First issue.

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

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Material Safety Data Sheet

Henkel Technologies

Revision Date: 06/04/2007 **Issue date:** 07/03/2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE H8700 SPEED 400ML PT B
Product type: Acrylics
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 1064169_193348 / IDH No. 1064169
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
Methyl methacrylate 80-62-6	60-100	50 ppm TWA 100 ppm STEL	100 ppm TWA 410 mg/m³ TWA	50 ppm
Boric acid, barium salt 13701-59-2	10-30	0.5 mg/m^3 TWA	0.5 mg/m³ TWA 0.5 mg/m³ TWA as Ba	None
Aldehyde-amine condensate Proprietary	1-5	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid/paste
Color: Blue
Odor: Sharp

HMIS:

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

WARNING: COMBUSTIBLE LIQUID AND VAPOR.
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION
MAY CAUSE ALLERGIC SKIN REACTION.
MAY BE HARMFUL IF SWALLOWED.

Relevant routes of exposure: Inhalation, Skin contact, Eye contact, Ingestion

Potential Health Effects

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.
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. Ingestion causes irritation and effects similar to inhalation.

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

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: 80.5°C (176.5°F) Pensky Martens 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: 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. Toxic fumes. Acrid smoke and fumes. Irritating organic vapors.

6. ACCIDENTAL RELEASE MEASURES

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

Clean-up methods: Remove all ignition sources. Ensure adequate ventilation. Soak up with inert absorbent. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. Make sure containers are properly grounded before use or transfer of material.

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 at or below 32°C (90°F).

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: Chemical resistant, impermeable gloves. Nitrile 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/paste
Color:	Blue
Odor:	Sharp
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Greater than 100°C (212°F)
Melting point/range:	Not available
Specific gravity:	0.9525
Vapor density:	Greater than 1
Evaporation rate:	Faster than ether (Ether = 1)
Solubility in water:	Slight
Partition coefficient (n-octanol/water):	Not available
VOC content:	0.84%; 8.153 grams/liter (Adhesive and Activator mixed)

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: May occur.

Hazardous decomposition products: Oxides of carbon. Oxides of nitrogen. Toxic fumes. Irritating organic vapors. Smoke.

Incompatability: Oxidizing agents. Reducing agents. Acids. Bases. Alkalis. Heat, sunlight, or UV light.

Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatabilty" (Section 10). Do not mix in batches greater than 100 grams (0.220 pounds) unless you plan to use immediately.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Methyl methacrylate 80-62-6	No	No	No
Boric acid, barium salt 13701-59-2	No	No	No
Aldehyde-amine condensate Proprietary	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Methyl methacrylate 80-62-6	Allergen, Irritant, Kidney, Liver, Nervous System, Respiratory, Mutagen
Boric acid, barium salt 13701-59-2	Blood, Cardiac, Developmental, Gastrointestinal tract, Irritant, Kidney, Metabolic, Muscle, Nervous System, Lung, Reproductive, Vascular
Aldehyde-amine condensate Proprietary	No data

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

WaterTransportation (IMO/IMDG):

Proper shipping name:	Not regulated
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:	None.
CERCLA/SARA Section 302 EHS:	None above reporting de minimus.
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard, Fire
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). Methyl Methacrylate (CAS# 80-62-6) . Barium metaborate monohydrate (CAS# 13701-59-2).
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:	Contains one or more components listed on the Non-Domestic Substances list.
WHMIS hazard class:	B.3, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: First issue.

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

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