

LOCTITE CORPORATION

10/20/98

ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

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Blair(R) Workable Matte Spray Fix
10006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Item No.: 10006
Part No.: 100S
Product Type: Aerosol matte fix

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
ACETONE	67-64-1	35-40
BUTANE	106-97-8	10-15
PROPANE	74-98-6	10-15
XYLENES*	1330-20-7	5-10
n-AMYL ACETATE	628-63-7	3-5
DIACETONE ALCOHOL	123-42-2	3-5
ISOPROPYL ACETATE	108-21-4	3-5
METHYL ETHYL KETONE*	78-93-3	3-5
Methyl isobutyl ketone*	108-10-1	3-5
Polymer	Proprietary	1-10
ETHYL BENZENE*	100-41-4	1-3
Light aliphatic solvent naphtha	64742-89-8	1-3

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
ACETONE	500 ppm TWA 1188 mg/m3	750 ppm TWA 1800 mg/m3	None
BUTANE	800 ppm TWA 1900mg/M3	800 ppm TWA 1900mg/M3	None
PROPANE	2500 ppm	1000 ppm 1800 mg/m3	None
XYLENES	100 ppm TWA 434 mg/m3	100 ppm TWA 435 mg/m3	None
n-AMYL ACETATE	None	100 ppm 532 mg/m3	100 ppm 525 mg/3
DIACETONE ALCOHOL	50 ppm 238 mg/m3	50 ppm 240 mg/m3	None
ISOPROPYL ACETATE	250 ppm TWA 1040mg/M3	250 ppm TWA 950mg/M3	None
METHYL ETHYL KETONE	200 ppm TWA 590 mg/m3	200 ppm TWA 590 mg/m3	None

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2. COMPOSITION, INFORMATION ON INGREDIENTS (continued)

Methyl isobutyl ketone	50 ppm 205 mg/m3	50 ppm 205 mg/m3	None
ETHYL BENZENE	100 ppm 434 mg/m3	100 ppm 435 mg/m3	None
Light aliphatic solvent naphtha	5mg/m3 TWA mist	5mg/m3 TWA mist	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
ACETONE	750 ppm 1782 mg/m3	1000 ppm 2400 mg/m3	
PROPANE	Asphyxiant	Asphyxiant	
XYLENES	150 ppm 651 mg/m3	150 ppm 655 mg/m3	
ISOPROPYL ACETATE	310 ppm 1290mg/M3	310 ppm 1185mg/M3	
METHYL ETHYL KETONE	300 ppm 885 mg/m3	300 ppm 885 mg/m3	
Methyl isobutyl ketone	75 ppm 307 mg/m3	75 ppm 300 mg/m3	
ETHYL BENZENE	125 ppm 543 mg/m3	125 ppm 545 mg/m3	
Light aliphatic solvent naphtha	10 mg/m3	None	

3. HAZARDS IDENTIFICATION

Toxicity: Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged exposure to solvents ingredients may cause adverse effects to the liver, urinary, and reproductive systems. Methyl ethyl ketone may increase the nervous system effects of other solvents.

Primary Routes of Entry: Exposure may be by inhalation and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

Signs and Symptoms of Exposure: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure

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3. HAZARDS IDENTIFICATION (continued)

to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

Existing Conditions

Aggravated by Exposure: None generally recognized.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
ACETONE	AC4 BLO CNS IRR	NO	NO	NO
BUTANE	CAR CNS IRR	NO	NO	NO
PROPANE	CAR CNS IRR	NO	NO	NO
XYLENES	AC4 CAR CNS IRR KID LIV	NO	NO	NO
n-AMYL ACETATE	CNS IRR	NO	NO	NO
DIACETONE ALCOHOL	CNS IRR KID	NO	NO	NO
ISOPROPYL ACETATE	CNS IRR	NO	NO	NO
METHYL ETHYL KETONE	CNS IRR	NO	N/A	NO
Methyl isobutyl ketone	FET IRR KID LIV	NO	NO	NO
Polymer	No Data	NO	NO	NO
ETHYL BENZENE	CNS IRR	NO	NO	NO
Light aliphatic solvent naphtha	No Data	NO	NO	NO

Abbreviations

N/A Not Applicable	AC4 ACGIH-Unclassifiable as human carc.
BLO Blood	CAR Cardiac
CNS Central nervous system	FET Fetotoxic
IRR Irritant	KID Kidney
LIV Liver	

4. FIRST AID MEASURES

Ingestion:	Never give anything by mouth to an unconscious person. Do not induce vomiting. Give conscious patient several glasses of water. Seek medical attention.
Inhalation:	If affected, remove from exposure. Restore breathing. Keep warm and quiet.
Skin Contact:	Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
Eye Contact:	Flush eyes with large amounts of water for 15 minutes. Get medical attention.

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5. FIRE FIGHTING MEASURES

Flash Point:	-20°F (Propellant)	Method: Tag closed cup
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical	
Special Firefighting Procedures:	Full protective equipment including self-contained breathing apparatus should be used. Water spray	

may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat.

Hazardous Products formed

by Fire or Thermal Decomp Irritating organic vapors; oxides of carbon.

Unusual Fire or

Explosion Hazards:

Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Explosive Limits:

(% by volume in air)Lower 1.0%

(% by volume in air)Upper 12.8%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak:

Remove all sources of ignition. Maintain good ventilation. Soak up with an inert absorbent. Store in a closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage:

(Contact Loctite Customer

Handling:

Keep away from heat, sparks, and open flame. Service 1-800-243-4874 for shelf life information) Keep away from heat, sparks or open flame. Vapors will accumulate readily and may ignite explosively. Avoid breathing of vapor and spray mist. Avoid contact with skin and eyes. During use and until all vapors are gone: Keep area ventilated. Do not smoke. Extinguish all flames, pilot lights, and heaters. Turn off stoves, electric tools and appliances, and other sources of ignition. Consult NFPA Code. Use approved bonding and grounding procedures. Do not puncture, incinerate, or expose

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7. HANDLING AND STORAGE

(continued)

to temperature above 120°F. Heat from sunlight radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Wash hands after using.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Wear safety spectacles with unperforated sideshields.

Skin: Chemical resistant gloves.

Ventilation: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Odor: Alcohol

Boiling Point: Range: Less than 0°F to 340°F.

pH: Does not apply

Solubility in Water: Not available

Specific Gravity: 0.74 (Base only)

Volatile Organic Compound (EPA Method 24) 52.5%; 605 grams per liter of material (Less federally exempt solvents)

Vapor Pressure: Not available

Vapor Density: More than 1 (base only)

Evaporation Rate (Ether = 1) Faster

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: None

Conditions to Avoid: Not available

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10. STABILITY AND REACTIVITY

(continued)

Hazardous Decomposition Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of

disposal: Do not incinerate. Depressurize container.
Dispose of in accordance with federal, state and
and local regulations.

EPA Hazardous Waste
Number D001 - Hazardous waste per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity

Hazard Class or

Division: ORM-D

Identification Number: None

Marine Pollutant: None

IATA

Proper Shipping Name: Consumer Commodity (Not more than 500 ml);
Aerosols, flammable n.o.s. (More than 500 ml)

Class or Division: Class 9 (Not more than 500 ml);

Division 2.1 (More than 500 ml)

UN or ID Number: ID 8000 (Not more than 500 ml);

UN 1950 (More than 500 ml)

15. REGULATORY INFORMATION

CA Proposition 65: No Prop65 chemicals are known to be present.

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 2

Fire Hazard: 4

Reactivity Hazard: 0

Specific Hazard: Does not apply

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16. OTHER INFORMATION

(continued)

Estimated HMIS(R) Code:

Health Hazard: 2*

Flammability Hazard: 4

Reactivity Hazards: 0

Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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