

(5786-00)

23702-1003

(Blair X-Strength Adhsv)

V-531
23702-1003

Rev'd 07-2001
LOCTITE CORPORATION

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

08/08/00

MATERIAL SAFETY DATA SHEET

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BLAIR MAX S ADH 11 OZ AE
82489

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: BLAIR MAX S ADH 11 OZ AE
Item No.: 82489
Product Type: Aerosol sealant

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
n-HEPTANE	142-82-5	30-35
PROPANE	74-98-6	15-20
Hydrocarbon polymer	69430-35-9	10-15
Light aliphatic solvent naphtha	64742-89-8	10-15
Styrene-butadiene polymer	26471-45-4	10-15
BUTANE	106-97-8	5-10
CYCLOHEXANE*	110-82-7	5-10
Glycerol ester of hydrogenated resin acid	65997-13-9	1-3
TOLUENE*	108-88-3	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
n-HEPTANE	400 ppm TWA 1640 mg/M3	500 ppm TWA 1600 mg/M3	None
PROPANE	2500 ppm	1000 ppm 1800 mg/m3	None
Light aliphatic solvent naphtha	5mg/m3 TWA mist	5mg/m3 TWA mist	None
BUTANE	800 ppm TWA 1900mg/M3	800 ppm TWA 1900mg/M3	None
CYCLOHEXANE	300 ppm TWA 1030mg/M3	300 ppm TWA 1050mg/M3	None
TOLUENE	50 ppm skin 188 mg/M3 skin	100 ppm 375mg/M3	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	

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n-HEPTANE	500 ppm	500 ppm
	2050 mg/M3	2000 mg/M3
PROPANE	Asphyxiant	Asphyxiant

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2. COMPOSITION, INFORMATION ON INGREDIENTS (continued)

Light aliphatic solvent naphtha	10 mg/m3	None
TOLUENE	None	150 ppm 560mg/M3

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. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular, and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

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 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
n-HEPTANE	CNS IRR	NO	NO	NO
PROPANE	CAR CNS IRR	NO	NO	NO

Hydrocarbon polymer	No Data	NO	NO	NO
Light aliphatic solvent naphtha	NTO	NO	NO	NO
Styrene-butadiene polymer	No Data	NO	NO	NO
BUTANE	CAR CNS IRR LUN	NO	NO	NO
CYCLOHEXANE	CNS IRR	NO	NO	NO
Glycerol ester of hydrogenated resin acid	No Data	NO	NO	NO
TOLUENE	BEH CAR CNS DEV EAR IRR	NO	NO	NO

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3. HAZARDS IDENTIFICATION

(continued)

Abbreviations

BEH Behavioral	CAR Cardiac
CNS Central nervous system	DEV Developmental
EAR Ear	IRR Irritant
LUN Lung	NTO No Target Organs

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 reuse.

Eye Contact: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Less than 0°F 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: Carbon Dioxide, Carbon Monoxide.
 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.

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5. FIRE FIGHTING MEASURES

(continued)

Explosive Limits:
 (% by volume in air) Lower 1.1%
 (% by volume in air) Upper 10.0%

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:

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

(Contact Loctite Customer Handling:

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
 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
 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
 2 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 2.

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8. EXPOSURE CONTROLS, PERSONAL PROTECTION

(continued)

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White liquid.
 Odor: Solvent
 Boiling Point: Range: Less than 0°F to 573°F.
 pH: Does not apply
 Solubility in Water: Not available

Specific Gravity 0.71
 Volatile Organic Compound (EPA Method 24) 74.75%; 531 grams per liter of material
 Vapor Pressure: 60 psig at 70°F
 108 psig at 130°F
 Vapor Density: Heavier than air.
 Evaporation Rate (Ether = 1) Faster

10. STABILITY AND REACTIVITY

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: None known
 Conditions to Avoid: Not available
 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: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State & Local regulations regarding pollution.

EPA Hazardous Waste Number D002 per 40 CFR 261.21

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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: Aerosols, flammable
Class or Division: Division 2.1
UN or ID Number: UN 1950

15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
Toluene

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 4
Reactivity Hazard: 0
Specific Hazard: Does not apply

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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