

A8190 Hi-Strength Adhesive - Aerosol

Material Safety Data Sheet

8190 Hi-Strength Adhesive

CE8190MA

SECTION 1 - Product Information

MSDS Code: CEC8190MA

Product Identifier: 8190 Hi-Strength Adhesive**Product Use:** Adhesive**Distributor's Name:** Uline Shipping Supplies.**Address:** 12575 Uline Drive, Pleasant Prairie, WI 53158**Emergency Phone:** 1-800-424-9300**Preparation Date:** November 24, 2008

SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Weight %	CAS Number	LD ₅₀ of Ingredient (species & route)	LC ₅₀ of Ingredient (species)
Acetone	15 - 40	67-64-1	5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat)
Hydrocarbon Propellant	15 - 40	68476-86-8	N / AV	N / AV
Cyclohexane	10 - 30	110-82-7	> 5 g / kg (Rat-Oral)	N / AV
Hexane	3 - 7	110-54-3	2870 mg / kg (Rat-Oral)	N / AV

SECTION 3 - Physical Data

Physical State: Aerosol**Specific Gravity:** 0.8 g/mL (concentrate)**Evaporation Rate:** N / E**Boiling Point:** N / E**Freezing Point:** N / AV**pH:** N / AP**Vapor Density (air = 1):** N / E**Vapor Pressure (psig):** N / E**Odor and Appearance:** Ketone odor / Clear amber**Odor Threshold (ppm):** N / AV**Coefficient of Water/Oil Distribution:** N / AV

SECTION 4 - Fire and Explosion Data

Flammability: Yes - Flammable aerosol under conditions of sparks, flame, or excessive heat.**Means of Extinction:** *Extinguishing Media* - Carbon dioxide, foam, dry chemical (B-C). *Firefighting Procedures* - Treat as cylinders of compressed gas. Closed containers may rupture due to pressure build up from extreme temperature. Use water spray to cool containers to prevent pressure build up. Self-contained breathing apparatus should be used if product is involved in fire.**Flashpoint:** < 0° F (-18° C)**Method Used:** Estimated**Flammable Limits - LFL:** N / E**UFL:** N / E**Autoignition Temperature:** N / AV**Hazardous Combustion Products:** Carbon Dioxide, Carbon Monoxide, Hydrocarbons.**Explosion Data - Sensitivity to Mechanical Impact:** No**Explosion Data - Sensitivity to Static Discharge:** No

SECTION 5 - Reactivity Data

Chemical Stability: Stable**Incompatibility with Other Substances:** Strong oxidizing agents.**Reactivity & Conditions:** None**Hazardous Decomposition Products:** None

SECTION 6 - Toxicological Properties

Primary Routes of Entry: Skin Contact, Eye Contact, Inhalation**Effects of Acute Exposure to Product:***Skin Contact* - Irritation.*Eye Contact* - Irritation.*Inhalation* - Irritation. May cause dizziness, light-headedness and / or headaches.**Effects of Chronic Exposure to Product:** Dermatitis.**Exposure Limits (TLV):**

Acetone 500 ppm TWA and 750 ppm STEL - ACGIH 2005

Hydrocarbon Propellant N / AV - ACGIH 2005

Cyclohexane 300 ppm TWA - ACGIH 2005

Hexane 50 ppm TWA (Skin) - ACGIH 2005

Irritancy: Skin, eyes, and respiratory tract.**Sensitization:** N / AV**Carcinogenicity:** The ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA.**Reproductive Toxicity:** N / AV**Teratogenicity:** N / AV**Mutagenicity:** N / AV**Synergistic Products:** N / AV

SECTION 7 - Preventive Measures

Personal Protective Equipment (PPE): Gloves - Yes Respirator - Yes Eye - Yes Footwear - No Clothing - No Other - No
Skin Protection - Chemical resistant gloves such as Neoprene or Nitrile rubber.*Respiratory Protection* - In areas with poor ventilation, use a NIOSH approved Organic Vapor Cartridge Respirator.

For concentrations above the TLV (as defined in Section 6), use a positive air supplied respirator.

Eye Protection - Safety glasses or goggles.**Engineering Controls:** General ventilation to maintain exposure limits below TLV's as defined in Section 6.**Leak and Spill Procedure:** Remove all sources of ignition. Ventilate area. Prevent from entering a watercourse. Use an inert absorbent material and non-sparking type tools.**Waste Disposal:** Dispose of in accordance with local, state/provincial or territorial, and federal regulations. Do not incinerate closed containers.**Handling Procedures and Equipment:** Do not use near heat, sparks, or open flame. Use PPE as defined in Section 7.**Storage Requirements:** Do not store near heat, sparks, flame or above 120° F (49° C).**Special Shipping Information:** Consumer Commodity ORM-D.

SECTION 8 - First Aid Measures

Inhalation: Remove from exposure and restore breathing, seek medical attention.**Ingestion:** Do NOT induce vomiting, drink two large glasses of water, seek medical attention.**Skin Contact:** Wash affected area with soap and water, remove contaminated clothing, seek medical attention if irritation persists.**Eye Contact:** Flush immediately with water for 15 minutes, seek medical attention if irritation persists.

SECTION 9 - Preparation Information

Prepared by: Technical Department**Telephone Number:** 262-612-4200**Preparation Date:** 11-24-08**NOTE:** N / AP = Not Applicable N / AV = Not Available N / E = Not Established

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