

Blair Damar Var - Retouch

00439-1025

8041-00

LOCTITE CORPORATION

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

08/08/00

MATERIAL SAFETY DATA SHEET

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400-BL RETOUCH 10.75OZ AE  
40016

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 400-BL RETOUCH 10.75OZ AE  
Item No.: 40016  
Product Type: Aerosol retouch

2. COMPOSITION, INFORMATION ON INGREDIENTS

| Ingredients                      | CAS No.     | %     |
|----------------------------------|-------------|-------|
| n-HEXANE*                        | 110-54-3    | 25-30 |
| Isohexane                        | 107-83-5    | 15-20 |
| BUTANE                           | 106-97-8    | 10-15 |
| Medium aliphatic solvent naphtha | 64742-88-7  | 10-15 |
| PROPANE                          | 74-98-6     | 10-15 |
| TURPENTINE                       | 8006-64-2   | 10-15 |
| ISOPROPYL ALCOHOL                | 67-63-0     | 5-10  |
| Polymer                          | Proprietary | 1-10  |
| CYCLOHEXANE*                     | 110-82-7    | 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-HEXANE                          | 50 ppmTWA (skin)             | 500 ppm TWA<br>1800 mg/M3    | None                      |
| Isohexane                         | 500 ppm                      | None                         | None                      |
| BUTANE                            | 800 ppm TWA<br>1900mg/M3     | 800 ppm TWA<br>1900mg/M3     | None                      |
| Medium aliphatic solvent naphtha  | None                         | 400 ppm TWA<br>1600mg/m3 TWA | 500 ppm<br>100 ppm        |
| PROPANE                           | 2500 ppm                     | 1000 ppm<br>1800 mg/m3       | None                      |
| TURPENTINE                        | 100 ppm TWA<br>556 mg/m3 TWA | 100 ppm TWA<br>560 mg/m3 TWA | None                      |
| ISOPROPYL ALCOHOL                 | 400 ppm TWA<br>983 mg/m3     | 400 ppm TWA<br>980 mg/m3     | 400 ppm TWA<br>DuPont AEL |
| CYCLOHEXANE                       | 300 ppm TWA<br>1030mg/M3     | 300 ppm TWA<br>1050mg/M3     | None                      |

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## 2. COMPOSITION, INFORMATION ON INGREDIENTS

(continued)

| Exposure Limits (STEL)<br>Ingredients | ACGIH<br>(TLV) | OSHA<br>(PEL) |
|---------------------------------------|----------------|---------------|
| Isohexane                             | 1000 ppm       | None          |
| PROPANE                               | Asphyxiant     | Asphyxiant    |
| ISOPROPYL ALCOHOL                     | 500 ppm        | 500 ppm       |
|                                       | 1230 mg/m3     | 1225 mg/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.

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 and urinary systems.

Prolonged and repeated exposure to hexane may cause damage to nerve and tissue of the arms and legs (peripheral neuropathy), resulting in muscular weakness and loss of sensation. This effect may be increased by the presence of methyl ethyl ketone.

Turpentine has been shown to cause tumors in laboratory animals, when they have been exposed to high doses for prolonged periods. It has also has been shown to cause behavioral effects and have effects on the kidney/ureter/ bladder, sense organs and lungs/thorax/respiratory systems.

It is our best technical judgment that, with proper precautions, normal use of this product poses no such hazards associated with turpentine. These statements for turpentine are

Primary Routes of Entry: present only to comply with OSHA regulations. 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.

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3. HAZARDS IDENTIFICATION

(continued)

Existing Conditions

Aggravated by Exposure: None generally recognized.

| Ingredients                      | Literature Referenced<br>Target Organ and Other Health Effects | Carcinogen |      |      |
|----------------------------------|--|------------|------|------|
|                                  |  | NTP        | IARC | OSHA |
| n-HEXANE                         | DEV IRR LUN NER REP  | NO         | NO   | NO   |
| Isohexane                        | IRR  | NO         | NO   | NO   |
| BUTANE                           | CAR CNS IRR LUN  | NO         | NO   | NO   |
| Medium aliphatic solvent naphtha | CNS IRR  | NO         | NO   | NO   |
| PROPANE                          | CAR CNS IRR  | NO         | NO   | NO   |
| TURPENTINE                       | ALG BEH BLO BNM CNS EYE IRR KID RES                            | NO         | NO   | NO   |
| ISOPROPYL ALCOHOL                | ALG BLO CNS IRR KID  | NO         | N/A  | NO   |
| Polymer                          | No Data  | NO         | NO   | NO   |
| CYCLOHEXANE                      | CNS IRR  | NO         | NO   | NO   |

Abbreviations

|                            |                   |
|----------------------------|-------------------|
| N/A Not Applicable         | ALG Allergen      |
| BEH Behavioral             | BLO Blood         |
| BNM Bone Marrow            | CAR Cardiac       |
| CNS Central nervous system | DEV Developmental |
| EYE Eyes                   | IRR Irritant      |
| KID Kidney                 | LUN Lung          |

NER Nervous System  
RES Respiratory

REP Reproductive

#### 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 0.8%  
 (% by volume in air) Upper 12.7%

**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 to amber liquid

Odor: Turpentine

Boiling Point: Range: Less than 0°F to 395°F.

pH: Does not apply

Solubility in Water: Not available

Specific Gravity: 0.67 (Base only)

Volatile Organic Compound (EPA Method 24) 95.0%; 631 grams per liter

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 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 (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: WARNING: This product contains chemicals known to the State of California to cause cancer.

16. OTHER INFORMATION

Estimated NFPA(R) Code:  
Health Hazard: 2  
Fire Hazard: 4  
Reactivity Hazard: 0

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## 16. OTHER INFORMATION

(continued)

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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Revision Date: January 27, 1999  
Revision: 0004