

* Material Safety Data Sheet (MSDS)*

Balkamp Klean N Prime Spray 6oz.

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MATERIAL SAFETY DATA SHEET

Effective Date: none Revision Date: none

Balkamp Klean N Prime Spray 6oz.

Code: LOC Page: 1

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Section 1 - Product and Company Identification

PRODUCT NAME: Balkamp Klean N Prime Spray 6oz.

MANUFACTURER'S NAME: EMERGENCY TELEPHONE NUMBER

Loctite Corporation (203)571-5100

Rocky Hill, CT 06067 MISCELLANEOUS INFORMATION

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Balkamp Klean N Prime Spray 6oz.

Code: LOC Page: 2

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Section 2 - Hazardous Ingredients

Ingredients CAS No. %

ETHANE, 1,1,1-TRICHLORO-* 71-55-6 85-90

ISOPROPYL ALCOHOL 67-63-0 5-10

CARBON DIOXIDE 124-38-9 3-5

tert-BUTYL ALCOHOL* 75-65-0 1-3

N,N-Dialkyltoluidine 99-97-8 1-3

METHANE, DIMETHOXY- 109-87-5 1-3

2-Mercaptobenzothiazole* 149-30-4 1-3

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

Ingredients which have exposure limits

Exposure Limits (TWA) ACGIH OSHA OTHER
Ingredients (TLV) (PEL)

ETHANE, 1,1,1-TRICHLORO- 350 ppm TWA 350 ppm TWA None
1910 mg/m3 1900 mg/m3
ISOPROPYL ALCOHOL 400 ppm TWA 400 ppm TWA None
983 mg/m3 980 mg/m3
CARBON DIOXIDE 5,000 ppm TWA 10,000 ppm TWA None
9,000 mg/M3 18,000 mg/M3
tert-BUTYL ALCOHOL 100 ppm TWA 100 ppm TWA None
303 mg/m3 300 mg/m3
METHANE, DIMETHOXY- 1000 ppm TWA 1000 ppm TWA None
3110mg/M3 3100mg/M3

Exposure Limits (STEL) ACGIH OSHA
Ingredients (TLV) (PEL)

ETHANE, 1,1,1-TRICHLORO- 450 ppm 450 ppm
2460 mg/m3 2450 mg/m3
ISOPROPYL ALCOHOL 500 ppm 500 ppm
1230 mg/m3 1225 mg/m3
CARBON DIOXIDE 30,000 ppm 30,000 ppm
54,000 mg/M3 54,000 mg/M3
tert-BUTYL ALCOHOL None 150 ppm
450 mg/m3

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Balkamp Klean N Prime Spray 6oz.
Code: LOC Page: 3
=====

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Section 3 - Hazards Identification

Toxicity: Eye, skin, and inhalation irritant. Moderately toxic by ingestion. Estimated dermal LD more than 2000 mg/kg.

Primary Routes of Entry: Ingestion, inhalation eye and skin contact.

Signs and symptoms
of Exposure: Headache, nausea, dizziness. Narcosis at high concentration. Eye or skin irritation.

Existing Conditions

Aggravated by Exposure: Isopropyl alcohol: Skin disorders, eye problems, respiratory problems

1,1,1,-Trichloroethane:

CNS, liver, heart disease, alcoholism, skin disorders, eye problems, respiratory problems.

Literature Referenced Carcinogen

Ingredients Target Organ and Other Health Effects NTP IARC

OSHA

ETHANE, 1,1,1-TRICHLORO-	CAR	CNS	IRR	LIV	NO	N/A	NO
ISOPROPYL ALCOHOL	ALG	CNS	IRR	NO	N/A	NO	
CARBON DIOXIDE	CNS	DEV	NO	NO	NO		
tert-BUTYL ALCOHOL	AC4	ALG	CNS	IRR	NO	NO	NO
N,N-Dialkyltoluidine	MUT	NO	NO	NO			
METHANE, DIMETHOXY-	CNS	IRR	NO	NO	NO		
2-Mercaptobenzothiazole	ALG	NO	NO	NO			

Abbreviations

N/A Not Applicable AC4 ACGIH-Unclassifiable as human carc.

ALG Allergen CAR Cardiac

CNS Central nervous system DEV Developmental

IRR Irritant LIV Liver

MUT Mutagen

Section 4 - First Aid Measures

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Flush with water.

Eye Contact: Flush with water for at least 15 minutes. Obtain medical attention.

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Code: LOC Page: 4

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Section 5 - Firefighting Measures

Flash Point: 147 Deg. F (Base only) Method: Tag Closed Cup

Recommended

Extinguishing Agents: Carbon dioxide, Foam, Dry Chemical

Hazardous Products formed by Fire or Thermal Decomp: Toxic chlorides.

Unusual Fire or Explosion Hazards: Cans may rupture in fires.

Explosive Limits:

(% by volume in air)Lower:

7% 1,1,1-Trichloroethane

2.0% Isopropyl alcohol

1.2% N,N-Dialkyltoluidine

0.2 oz/cu ft. of air Mercaptobenzothiazole (dust)

2.4% t-Butyl alcohol

2.2% Dimethoxymethane

(% by volume in air)Upper:

15% 1,1,1-Trichloroethane

12.7% at 200 Deg. F Isopropyl alcohol

7% N,N-Dialkyltoluidine

8% t-Butyl alcohol

13.1% Dimethoxymethane

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Section 6 - Environmental Release Measures

Steps to be taken in case of spill or leak:

Remove sources of ignition. Allow to evaporate with good ventilation.

Soak up residue with an inert absorbent. Store in a closed container until disposal.

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Section 7 - Handling and Storage

Safe Storage: Store below 110 Deg. F.

(Contact Loctite Customer Service 1-800-243-4874 for shelf Life information)

Handling: Avoid prolonged breathing of vapors. Keep away from eyes.

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Section 8 - Exposure Controls/Personal Protection

Eyes: Safety glasses or goggles recommended

Skin: Rubber or plastic gloves recommended

Ventilation: Provide adequate local ventilation to maintain vapor concentration below TLV.

See Section 2 for Exposure Limits.

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Code: LOC Page: 5

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Section 9 - Physical and Chemical Properties

Appearance: Yellow liquid

Odor: Sharp

Boiling Point: 170-180 Deg. F

pH: Not applicable

Solubility in Water: Slight

Specific Gravity 1.3 at 70 Deg. F

Volatile Organic Compound

(EPA Method 24): 4.1%; 53 grams per liter of base material

Vapor Pressure: Approximately 100mm at 70 Deg. F

Vapor Density: Approximately 4.5

Evaporation Rate

(Ether = 1): Not available

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Section 10 - Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Solvent may react violently with aluminum on prolonged contact.

Hazardous Decomposition
Products (non-thermal): None

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Section 11 - Toxicological Information

See Section 3.

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Section 12 - Ecological Information

No data available

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Section 13 - Disposal Considerations

Recommended methods of disposal: Follow EPA and local regulations for disposal of chlorinated hydrocarbons.

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Code: LOC Page: 6

=====
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Section 14 - Transport Information

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Consumer Commodity

Hazard Class or Division: ORM-D

Identification Number: None

Marine Pollutant: 1,1,1-Trichloroethane

IATA Proper Shipping Name: Aerosols, non-flammable, n.o.s. containing substance in Division 6.1, Packing Group III

Class or Division: Class 2.2, Subsidiary Risk 6.1

UN or ID Number: UN 1950

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Section 15 - Regulatory Information

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

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Section 16 - Other Information

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

Estimated HMIS(R) Code:
Health Hazard: 2
Flammability Hazard: 2
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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