

* Material Safety Data Sheet (MSDS)*

Balkamp Worldtech(TM) 272 Hi-Temp Threadlocker

=====

MATERIAL SAFETY DATA SHEET

Effective Date: none Revision Date: none

Balkamp Worldtech(TM) 272 Hi-Temp Threadlocker

Code: LOC Page: 1

=====

Section 1 - Product and Company Identification

PRODUCT NAME: Balkamp Worldtech(TM) 272 Hi-Temp Threadlocker

MANUFACTURER'S NAME: EMERGENCY TELEPHONE NUMBER

Loctite Corporation (203)571-5100

Rocky Hill, CT 06067 MISCELLANEOUS INFORMATION

=====

Section 2 - Hazardous Ingredients

Ingredients CAS No. %

Aromatic dimethacrylate ester	24448-20-2	75-80
Maleimide resin	3006-93-7	10-15
CUMENE HYDROPEROXIDE*	80-15-9	1-3
Hydroxyalkyl methacrylate	27813-02-1	1-3
METHYL ALCOHOL*	67-56-1	1-3
SILICA, AMORPHOUS TREATED	112945-52-5	1-3
1-Acetyl-2-phenylhydrazine	114-83-0	0.1-1
N,N-Dialkyltoluidines	613-48-9	0.1-1
MALEIC ACID	110-16-7	0.1-1
SACCHARIN	81-07-2	0.1-1

* 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)

Hydroxyalkyl methacrylate None None 3 ppm
ceiling
METHYL ALCOHOL 200ppm TWA skin 200ppm TWA skin None
262 mg/m3 skin 262 mg/m3 skin
SILICA, AMORPHOUS TREATED 10 mg/m3 TWA 6 mg/m3 TWA 3 mg/m3 TWA
resp. dust

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

METHYL ALCOHOL 250 ppm skin 250 ppm skin
328 mg/m3 skin 325 mg/m3 skin

=====
=====

MATERIAL SAFETY DATA SHEET
Effective Date: none Revision Date: none
Balkamp Worldtech(TM) 272 Hi-Temp Threadlocker
Code: LOC Page: 2

=====
=====

Section 3 - Hazards Identification

Toxicity: Mild eye irritant.
Oral LD50 more than 10000 mg/kg.
Dermal LD50 more than 1500 mg/kg.
Primary Routes of Entry: None known
Signs and symptoms
of Exposure: May cause dermatitis on prolonged contact in
sensitive individuals.
Existing Conditions
Aggravated by Exposure: Maleimide resin: Dermatitis

Literature Referenced Carcinogen
Ingredients Target Organ and Other Health Effects NTP IARC
OSHA

Aromatic dimethacrylate ester ALG IRR NO NO NO
Maleimide resin No Data NO NO NO
CUMENE HYDROPEROXIDE ALG CNS COR IRR MUT NO NO NO
Hydroxyalkyl methacrylate ALG IRR NO NO NO
METHYL ALCOHOL EYE IRR MET NER NO NO NO
SILICA, AMORPHOUS TREATED NUI NO N/A NO
1-Acetyl-2-phenylhydrazine ALG NO NO NO
N,N-Dialkyltoluidines No Data NO NO NO

MALEIC ACID IRR NO NO NO
SACCHARIN No Data YES 2B NO

Abbreviations

N/A Not Applicable 2B Possibly carcinogenic to humans
ALG Allergen CNS Central nervous system
COR Corrosive EYE Eyes
IRR Irritant MET Metabolic
MUT Mutagen NER Nervous System
NUI Nuisance dust

Section 4 - First Aid Measures

Ingestion: Do not induce vomiting. Keep individual calm.
Obtain medical attention.
Inhalation: Does not apply
Skin Contact: Wash with soap and water.
Eye Contact: Flush at least 15 minutes with water. Obtain
medical attention.

MATERIAL SAFETY DATA SHEET

Effective Date: none Revision Date: none
Balkamp Worldtech(TM) 272 Hi-Temp Threadlocker
Code: LOC Page: 3

Section 5 - Firefighting Measures

Flash Point: More than 200 Deg. F Method: Tag Closed Cup
Recommended
Extinguishing Agents: Carbon dioxide, foam, dry chemical
Hazardous Products formed
by Fire or Thermal Decomp Irritating organic vapors
Unusual Fire or
Explosion Hazards: None

Explosive Limits:
(% by volume in air)Lower 6% Methanol
(% by volume in air)Upper 36% Methanol

=====
=====
Section 6 - Environmental Release Measures

Steps to be taken in case
of spill or leak: Soak up in an inert absorbent. Store in partly
filled, closed container until disposal.

=====
=====
Section 7 - Handling and Storage

Safe Storage: Store below 100 Deg. F

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

Handling: Avoid prolonged skin contact. Keep away from eyes.

=====
=====
Section 8 - Exposure Controls/Personal Protection

Eyes: Safety glasses or goggles.
Skin: Neoprene, rubber, or butyl rubber gloves.
Ventilation: Does not apply

See Section 2 for Exposure Limits.

=====
=====
Section 9 - Physical and Chemical Properties

Appearance: Red Liquid
Odor: Mild
Boiling Point: More than 300 Deg. F
pH: Does not apply
Solubility in Water: Slight
Specific Gravity 1.11 at 75 Deg. F
Volatile Organic Compound
(EPA Method 24) 8.1%; 89.9 grams per liter
Vapor Pressure: Less than 5mm at 80 Deg. F
Vapor Density: Not available
Evaporation Rate
(Ether = 1) Not available

=====
=====

MATERIAL SAFETY DATA SHEET

Effective Date: none Revision Date: none

Balkamp Worldtech(TM) 272 Hi-Temp Threadlocker

Code: LOC Page: 4

=====
=====

=====
=====

Section 10 - Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: None

Hazardous Decomposition

Products (non-thermal): None

=====
=====

=====
=====

Section 11 - Toxicological Information

See Section 3.

=====
=====

=====
=====

Section 12 - Ecological Information

No data available

=====
=====

=====
=====

Section 13 - Disposal Considerations

Recommended methods of

disposal: Incinerate following EPA and local regulations.

=====
=====

=====
=====

Section 14 - Transport Information

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Unrestricted

Hazard Class or

Division: Unrestricted

Identification Number: None

Marine Pollutant: None

IATA

Proper Shipping Name: Unrestricted

Class or Division: Unrestricted

UN or ID Number: None

=====
=====
Section 15 - Regulatory Information

CA Proposition 65: This product contains Saccharin. No prop65 hazard warning is necessary if this product is used as reasonably anticipated.

=====
=====
MATERIAL SAFETY DATA SHEET

Effective Date: none Revision Date: none

Balkamp Worldtech(TM) 272 Hi-Temp Threadlocker

Code: LOC Page: 5

=====
=====
Section 16 - Other Information

Estimated NFPA(R) Code:

Health Hazard: 1

Fire Hazard: 1

Reactivity Hazard: 1

Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 1

Flammability Hazard: 1

Reactivity Hazards: 1

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.

Prepared By: Stephen Repetto

Title: Research Chemist, Environmental Health & Safety

Company: Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067

(24hr.) Phone: (860) 571-5100

Revision Date: January 22, 1996 Revision: 0027