

# MATERIAL SAFETY DATA SHEET

 **Marlite**  
**C375/C376**

MSDS Name: Marlite C375 and C376 Construction Adhesive

MSDS Date: 10-3-01

Page Number: 1 of 5

## SECTION I – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Marlite C375 and C376 Construction Adhesive  
CAS Number: None  
Hazard Rating: Health: 2 Fire: 3 Reactivity: 0  
Company Identification: Marlite, PO Box 250, Dover, OH 44622 Phone: 330-343-6621 Fax: 330-343-7296  
Emergency Phone: 800-424-9300 (Chemtrec 24 Hour)  
703-527-3887 (International)

## SECTION II – COMPOSITION, INFORMATION ON INGREDIENTS

Hazardous Ingredients:	CAS Number:	Percent:
HEXANE	110-54-3	27.3

OSHA PELs & ACGIH TLVs are listed in Section VIII where applicable.

## SECTION III – HAZARD IDENTIFICATION

### NOTE:

Repeated and prolonged overexposure to the mixture of solvent(s) listed in Section II can result in systemic effects including permanent brain, nervous system, liver, and kidney damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

### EMERGENCY OVERVIEW:

Product is beige, medium viscosity mastic with a strong solvent odor. DANGER: EXTREMELY FLAMMABLE, VAPOR HARMFUL, CONTAINS HEXANE. Vapors can cause flash fire. Vapors may ignite explosively. Prevent buildup of vapors by opening all windows and doors to create cross-ventilation. Keep away from heat, sparks and open flame. Do not smoke. Extinguish all flames and pilot lights. Turn off stoves, heaters and sparking electric motors. Keep away from all sources of ignition until all vapors are gone. Keep container tightly closed when not in use. Avoid prolonged breathing of vapor. KEEP OUT OF THE REACH OF CHILDREN.

### ROUTES OF ENTRY:

INHALATION: Yes  
INGESTION: Yes  
SKIN: Yes  
EYE: Yes

### INHALATION:

Avoid breathing vapor or mists. May cause headaches and dizziness. High vapor concentrations are irritating to the nose, throat and lungs and can cause systemic effects. Vapors can readily accumulate in confined or poorly ventilated areas.

### INGESTION:

Ingestion is not a probable route of exposure. Harmful if swallowed.

### SKIN:

Prolonged or repeated skin contact can cause irritation.

### EYE:

Substance may cause severe eye irritation.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Preexisting neurological conditions, skin disorders, and respiratory disease.

### CARCINOGENICITY:

IARC: No  
NTP: No  
OSHA: No

MSDS Name: Marlite C375 and C376 Construction Adhesive

MSDS Date: 10-3-01

Page Number: 2 of 5

---

**TARGET ORGANS:**

Prolonged or repeated overexposure may cause eye, skin, respiratory system, central nervous system, and peripheral nervous system damage.

**SECTION IV – FIRST AID MEASURES**

Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias (irregular beating) in persons exposed to high concentrations of hexane (e.g. in enclosed spaces or with deliberate abuse). If used, monitor heart action closely. Consider use of other drugs with less arrhythmogenic potential.

**INHALATION:**

Remove to fresh air. If difficulty persists seek medical attention.

**INGESTION:**

Call poison control center immediately. Follow their specific instructions. Do not induce vomiting.

**SKIN:**

Wash with soap and water. Contact a physician if irritation develops or persists.

**EYE:**

Hold eyelids apart and flush with plenty of water for at least 15 minutes. Seek medical attention.

**SECTION V – FIRE-FIGHTING MEASURES**

Flammability Class (OSHA)

IB

Flash Range:

< 0 F

Setflash

Explosive Range:

Lower explosive limit 1.2%

Upper explosive limit 7.5%

Vapors can travel back to the source of ignition. Flammable liquid. Can form explosive mixtures at temperatures at or above the flashpoint.

**EXTINGUISHING MEDIA:**

Use alcohol foam, carbon dioxide, dry chemical, or ABC dry chemical when fighting fires involving this product.

**HAZARDOUS COMBUSTION PRODUCTS:**

Carbon monoxide may be released during combustion.

**FIRE FIGHTING PROCEDURES:**

Can burn in a fire, releasing toxic vapors. Wear a NIOSH/MSHA approved self-contained breathing apparatus.

**SECTION VI – ACCIDENTAL RELEASE MEASURES**

**CONTAINMENT TECHNIQUES:**

Use inert absorbent to dike the spill. Keep away from drains.

**CLEAN-UP:**

If possible pump liquid into an approved container or spread absorbent over spill and shovel (use non-sparking equipment) product/absorbent mixture into an approved container. If product has dried, scrape up and place in an approved container.

**EMERGENCY MEASURES:**

Isolate hazard area. Keep unnecessary and unprotected personnel from entering area. Wear all appropriate personal protection equipment (PPE) (see Section VIII).

**SECTION VII – HANDLING & STORAGE**

**HANDLING:**

Open container in well ventilated area. Use only in well ventilated area. Follow all MSDS/label precautions even after container is emptied. Containers may retain product residues and vapors. Avoid prolonged or repeated contact with the skin.

MSDS Name: Marlite C375 and C376 Construction Adhesive

MSDS Date: 10-3-01

Page Number: 3 of 5

---

**STORAGE:**

Keep away from sources of ignition. Do not store above 110F. Store large quantities in buildings designed and protected for storage of NFPA Class 1-B flammable materials.

**SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION**

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
HEXANE	50.00 PPM	N/est	N/est	N/est	500.00 PPM

**ENGINEERING CONTROLS:**

Use local exhaust as needed to maintain occupational exposure limits. Maintain standard plant ventilation.

**OTHER:**

Facilities storing or utilizing any chemical should be equipped with an eyewash facility and a safety shower.

**RESPIRATORY PROTECTION:**

Where exposure limits are exceeded select a NIOSH/MSHA approved respirator with appropriate Protection Factor and cartridge for the specific contaminants. Follow requirements for respiratory protection in OSHA 1910.134.

**EYE PROTECTION:**

Chemical splash goggles (ANSI Z87.1 or approved equivalent)

**SKIN PROTECTION:**

Where repeated or prolonged contact can occur, wear impervious gloves.

**SECTION IX – PHYSICAL & CHEMICAL PROPERTIES**

Form:	mastic
Appearance/Color:	beige
Odor:	mild hexane solvent
Solubility (in water):	nil
pH Value:	Not Applicable
Boiling Range:	156° F
Evaporation Rate:	Faster than n-Butyl Acetate
% Volatile	29%
Specific Gravity:	1.12
VOC (California Rule 1168)	322 g/l

**SECTION X – STABILITY & REACTIVITY**

Stability:	This product is stable
Hazardous Polymerization:	Hazardous polymerization will not occur

**CONDITIONS TO AVOID:**

Heat, sparks, open flame

**INCOMPATIBILITY:**

Strong oxidizing agents, acids, and bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Not applicable.

**SECTION XI – TOXICOLOGICAL INFORMATION**

**Hexane – Acute:**

Ingestion of hexane can cause nausea, vomiting, stomach pain, and diarrhea. Hexane can irritate the skin and the eyes. Acutely, the most common toxic effects are central nervous system depression and chemical pneumonitis resulting from aspiration into the lungs following ingestion.

**Hexane – Chronic:**

Dermal irritation and central nervous system depression accompanied by peripheral nervous system damage (polyneuropathy) are common traits of sustained overexposure.

MSDS Name: Marlite C375 and C376 Construction Adhesive

MSDS Date: 10-3-01

Page Number: 4 of 5

## SECTION XII – ECOLOGICAL INFORMATION

This formulation has not been tested for environmental effects.

## SECTION XIII – DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL:

Disposal of this product must comply with all applicable federal, state and local regulations.

### CONTAINER DISPOSAL:

Disposal of this container should comply with all applicable federal, state and local regulations.

## SECTION XIV – TRANSPORT INFORMATION

### DOMESTIC TRANSPORT BY DOT REQUIREMENTS

	C-375	C-375	C-376	C-376
	5 Gallon Pails	1 Gallon Cans	29 oz Tubes	10 oz Tubes
UN Number	UN1133	NA	NA	NA
UN Pack Group	III	NA	NA	NA
UN Class	3	ORM-D	ORM-D	ORM-D
ICAO/IATA Class	3	NA	NA	NA
IMDG Class	3.1	NA	NA	NA
Shipping Name	Adhesives: Containing a flammable liquid	Consumer Commodity	Consumer Commodity	Consumer Commodity

### AIR TRANSPORT BY IATA/ICAO PLANE REQUIREMENTS

UN Number	UN1133	UN1133	UN1133	ID8000
UN Pack Group	III	III	III	NA
UN Class	3	3	3	9
ICAO/IATA Class	3	3 (LTD QTY)	3 (LTD QTY)	9 - USE THE ORM-D- AIR PACKAGE MARKING
Shipping Name	ADHESIVES: CONTAINING A FLAMMABLE LIQUID	ADHESIVES: CONTAINING A FLAMMABLE LIQUID, LTD QTY	ADHESIVES: CONTAINING A FLAMMABLE LIQUID, LTD QTY	Consumer Commodity

**IMPORTANT NOTE:** Packaging may not be approved for shipping by air. Marlite strongly suggests not shipping any C-375 or C-376 by air. Please contact Marlite for further info.

### MARITIME TRANSPORT BY IMDG CODES

UN Number	UN1133	NA	NA	NA
UN Pack Group	III	NA	NA	NA
UN Class	3	NA	NA	NA
IMDG Class	3	Limited quantity	Limited quantity	Limited quantity
Shipping Name	ADHESIVES: CONTAINING A FLAMMABLE LIQUID	Dangerous goods in limited quantities of Class 3	Dangerous goods in limited quantities of Class 3	Dangerous goods in limited quantities of Class 3

MSDS Name: Marlite C375 and C376 Construction Adhesive  
MSDS Date: 10-3-01  
Page Number: 5 of 5

---

#### **SECTION XV – REGULATORY INFORMATION**

##### **SARA TITLE III SECTION 313:**

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Chemical Name	CAS Number	Percent
HEXANE	110-54-3	27.3

##### **TSCA (Toxic Substances Control Act Inventory):**

All components of this product are listed on the TSCA inventory except as exempted.

##### **PENNSYLVANIA:**

Hazardous components required to be listed at 1% or more:

kaolin clay; kaolin; 1332-58-7

hexane; hexane; 110-54-3

crystalline silica; quartz; 14808-60-7

Non-hazardous components required to be listed at 3% or more:

styrene-butadiene rubber 9003-55-8; petroleum hydrocarbon 64742-18-3; C-9 resin 68240-01-7

##### **NEW JERSEY:**

clay 1332-58-7; C-9 resin 68240-01-7; styrene-butadiene rubber 9003-55-8; hexane 110-54-3; petroleum oil 64742-18-3

#### **SECTION XVI – OTHER INFORMATION**

##### **REVISION SUMMARY:**

MSDS revised to follow 16 section format.

##### **DISCLAIMER:**

While the information and recommendations set forth herein are believed to be accurate as of the data hereof, Marlite makes no warranty, express or implied, with respect thereto and disclaims all liability from reliance thereon.

