

2/6/2006

**MATERIAL SAFETY DATA SHEET**

REVISION DATE: 2/6/2006

SUPERSEDES: 11/19/2003

**SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****COMPANY INFORMATION**

Parr Technologies, LLC  
 24087 C.R. 6 East  
 Elkhart, Indiana 46514  
 Phone: 574-264-9614

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

**PRODUCT INFORMATION**

PRODUCT NUMBER: SC0676  
 PRODUCT NAME: CONSTRUCTION ADHESIVE 40  
 PRODUCT DESCRIPTION: Mastic

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for any additional exposure limit guidelines.

Chemical Name	CAS #	PERCENT	OSHA PEL
Kaolin clay	1332-58-7	10 - 30	TWA (Respirable dust) 5 MG/M3 TWA (Total dust) 10 MG/M3
Aliphatic petroleum distillate	64742-49-0	10 - 30	Not established
Calcium carbonate	1317-65-3	10 - 30	TWA (Respirable dust) 5 MG/M3 TWA (Total dust) 15 MG/M3
Toluene	108-88-3	10 - 30	TWA 100 ppm STEL 150 ppm
Hexane, n	110-54-3	1 - 5	TWA 50 ppm
Magnesium carbonate	546-93-0	1 - 5	TWA (Respirable dust) 5 MG/M3 TWA (Total dust) 15 MG/M3
Crystalline silica	14808-60-7	0.1 - 1	TWA (Respirable dust) 0.1 MG/M3

**SECTION 3: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

Highly flammable

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Moderate to severe eye irritant.  
 Causes skin irritation.  
 Moderate respiratory tract irritant.  
 Harmful if swallowed.  
 Cancer hazard.

HMIS RATING: HEALTH -- 2 FLAMMABILITY -- 3 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

**POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY**

**EYE:** Eye contact may cause moderate to severe eye irritation. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

**SKIN:** Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

**INHALATION:** Can cause moderate respiratory irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Inhalation of high concentrations may result in central nervous system (CNS) effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination. Inhalation of vapors may cause loss of feeling and weakness in the hands and feet and loss of manual dexterity. Overexposure to crystalline silica may cause silicosis.

**INGESTION:** Ingestion is not an anticipated route of exposure. Harmful if swallowed. Irritating to mouth, throat, and stomach.

**LONG-TERM (CHRONIC) HEALTH EFFECTS**

**REPRODUCTIVE:** Contains a substance that is a possible reproductive hazard based on animal studies at doses that could be encountered in the workplace.

**TARGET ORGAN(S):** Lungs Reproductive system Liver Central nervous system Peripheral nervous system

**REGULATED CARCINOGEN STATUS:**

Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.

Crystalline silica

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: Lung disease; Liver disease

**SECTION 4: FIRST AID MEASURES**

**IF IN EYES:** Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

**IF ON SKIN:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

**IF VAPORS INHALED:** Remove to fresh air. Restore breathing, if necessary. Call a physician if symptoms persist.

**IF SWALLOWED:** Do not induce vomiting. Seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

**SECTION 5: FIRE FIGHTING MEASURES**

FLASH POINT:

8C; 46F TCC

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AUTOIGNITION TEMPERATURE:	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
UPPER EXPLOSIVE LIMIT (% in air):	Not established
EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Vapors are heavier than air and can travel to a source of ignition and flash back.
SPECIAL FIRE FIGHTING INSTRUCTIONS:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide, Carbon monoxide

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

SPECIAL PROTECTION:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.
CLEAN-UP:	Scrape up and place in disposal container. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

**SECTION 7: HANDLING AND STORAGE**

Handling:	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Keep away from heat, sparks and flame. Wash thoroughly after handling. Keep container closed. Emptied container retains vapor and product residue. Observe all labeled precautions until container is cleaned. Drums of this material should be grounded when pouring. <b>DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER.</b> This product contains an ingredient that may release formaldehyde at heated cure temperatures.
Storage:	Store in a cool, dry, ventilated location. Keep away from heat, sparks, flame and other sources of ignition. Keep container closed.

Consult the Technical Data Sheet for specific storage instructions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

EYE PROTECTION:	Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.
SKIN PROTECTION:	Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur. Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption so that the TLV is not invalidated.
GLOVES:	Nitrile
RESPIRATORY PROTECTION:	Respiratory protection may be required to avoid overexposure when

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handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. NIOSH approved air purifying respirator with organic vapor cartridge.

Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

**VENTILATION:**

Use local exhaust ventilation or other engineering controls to minimize exposures.

**EXPOSURE LIMITS:**

Chemical Name	ACGIH EXPOSURE LIMITS	AIHA WEEL
Kaolin clay	TWA (Respirable dust) 2 MG/M3	Not established
Aliphatic petroleum distillate	Not established	Not established
Calcium carbonate	TWA (Total dust) 10 MG/M3	Not established
Toluene	TWA 50 ppm Skin notation	Not established
Hexane, n	TWA 50 ppm Skin notation	Not established
Magnesium carbonate	TWA (Total dust) 10 MG/M3	Not established
Crystalline silica	TWA (Respirable dust) 0.05 MG/M3	Not established

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE:	Liquid
COLOR:	Tan
ODOR:	Solvent
ODOR THRESHOLD:	Not established
WEIGHT PER GALLON (lbs.):	9.7
SPECIFIC GRAVITY:	1.16
SOLIDS (% by weight):	74.0
pH:	Not established
BOILING POINT (deg. C):	Not established
FREEZING/MELTING POINT (deg. C):	Not established
VAPOR PRESSURE (mm Hg):	Not established
VAPOR DENSITY:	Not established
EVAPORATION RATE:	Not established
OCTANOL/WATER COEFFICIENT:	Not established

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**MATERIAL SAFETY DATA SHEET****SECTION 10: STABILITY AND REACTIVITY**

STABILITY: Stable under normal conditions.  
 CHEMICAL INCOMPATIBILITY: Strong oxidizing agents  
 HAZARDOUS POLYMERIZATION: Will not occur.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

**SECTION 11: TOXICOLOGICAL INFORMATION**

CHEMICAL NAME	LD50/LC50
Kaolin clay	Not established
Aliphatic petroleum distillate	Not established
Calcium carbonate	Oral LD50 Rat = 6250 mg/kg
Toluene	Oral LD50 Rat = 636 mg/kg Inhalation LC50 Rat =49000 mg/cu m/4H Dermal LD50 Rabbit = 14.1 ml/kg
Hexane, n	Oral LD50 Rat =28710 mg/kg Inhalation LC50 Rat =48000 ppm/4H
Magnesium carbonate	Not established
Crystalline silica	Not established

TOXICOLOGY SUMMARY: No additional health information available.

**SECTION 12: ECOLOGICAL INFORMATION**

OVERVIEW: No ecological information available

- 303 g VOC/liter of material  
(VOC theoretically determined using EPA Publication 450/3-84-019)
- 303 g VOC/liter of material, less water and exempt solvents  
(VOC theoretically determined using EPA Publication 450/3-84-019.)

**SECTION 13: DISPOSAL CONSIDERATIONS**

This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. It is ignitable waste class D001. Disposal via incineration is recommended. Consult your state, local, or provincial authorities for more restrictive requirements.

LAND DISPOSAL RESTRICTIONS: Toluene

**SECTION 14: TRANSPORTATION INFORMATION**

Consult Bill of Lading for transportation information.

DOT: ADHESIVES, 3, UN1133, PGII

IATA: ADHESIVES, 3, UN1133, PGII

**SECTION 15: REGULATORY INFORMATION****INVENTORY STATUS**

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's

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Inventory requirements.

**FEDERAL REPORTING**

EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 72. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
Toluene	108-88-3	10 - 30
n-Hexane	110-54-3	1 - 5

WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

B2

D2B D2A

**STATE REPORTING**

This MSDS is not prepared for distribution in California.

**SECTION 16: ADDITIONAL INFORMATION**

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This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Prepared by: Parr Technologies, LLC.

Phone: 574-264-9614

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