



Factor II, Incorporated

P.O. Box 1339
Lakeside, AZ 85929

Phone:(928) 537-8387
Fax: (928) 537-0893

MATERIAL SAFETY DATA SHEET Perma-Type Surgical Cement In Case of Emergency Contact 928-537-8387 Factor II, Inc.

Factor II Technology urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to the use and understanding of the data contained in this MSDS.

To promote safe handling each customer or recipient should: (1) notify and furnish its employees, agents, contractors, customers, and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) request its customers to notify their employees, customers and other users of the product of this information.

PRODUCT IDENTIFICATION : 306 ADHESIVE (PERMA-TYPE SURGICAL CEMENT)

Date Prepared: March 30, 2004 Prepared by: T.V. Sweeney

HMIS Hazard Designation

Health	2 Moderate
Flammability	3 Serious
Reactivity	0 Minimal
Personal Protection	B Gloves & Goggles

MANUFACTURER INFORMATION

Manufacturer's Name	Camger Chemical Systems, Inc
Street, Address	364 Main Street
City, State, and Zip Code	Norfolk, MA 02056
Chemtrec Emergency Number	(800) 424-9300
Telephone Number for Information	(508) 528-5787

HAZARDOUS INGREDIENTS

Ingredient	CAS NO.	OSHA PEL	ACGIH TLV	WT%
Hexane	110-54-3	500ppm	50ppm	79

PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Range in Deg.F	150-158
Vapor Pressure (mm Hg)	140



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Vapor Density	Heavier than air
Solubility in water	Not soluble
Appearance and odor	White viscous liquid with milk hydrocarbon odor
Specific gravity	0.720
Evaporation rate	Is faster than Butyl Acetate

FIRE AND EXPLOSION HAZARD DATA

Flash Point in Deg F -20 Tag Closed Cup LEL – 1.0% UEL = 8.0%

Extinguishing media Foam, Dry Chemical, Carbon dioxide

Special Fire Fighting Procedures The use of self-contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing medium, but is helpful in keeping adjacent containers cool.

Unusual Fire and Explosion Hazards Keep away from heat, sparks, open flame

REACTIVITY DATA

Stability Unstable () Stable (XX)

Compatiblty (Materials to avoid) Strong oxidizing agents

Hazardous Decompositiion or by-Products Products of combustion will produce Carbon dioxide and Carbon Monoxide

Hazardous Polymerization May Occur () Will Not Occur (XX)

HEALTH HAZARD DATA

Routes of Entry Inhalation? Yes Skin? Yes Ingestion? Yes

Health Hazards Acute – Inhalation-Temporary dizziness, headache, possibly nausea. Symptoms will disappear when exposure ceases. Eye or skin contact- may cause discomfort by defatting actio of solvents.

Chronic Repeated contact with skin may cause dermatitis, conjunctivitis

Carcinogenicity NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure Temporary dizziness, headache, possibly nausea, dermatitis

Emergency First Aid Procedures Remove patient to fresh air. Eye contact – Flush eyes with water for 15 minutes. Contact Physician Ingestion – Do not induce vomiting. Call physician at once. Skin contact – Wash with soap and water



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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove sources of ignition and provide ventilation, provide respiratory protection. Large spills may be scooped up with non-sparking tools. Small spills may be picked up with absorbent material. Place in closed containers outdoors for disposal.

WASTE DISPOSAL METHOD In accordance with local, state and federal regulations

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store in a cool place away from heat, sparks, open flame. **DO NOT BREATHE SPRAY MIST**

OTHER PRECAUTIONS Ground containers when storing. Limit free fall to a few inches to prevent static sparks. Do not cut, puncture or weld on or near the empty container.

CONTROL MEASURES

RESPIRATORY PROTECTION Chemical cartridge respirator with an organic vapor cartridge if LEL or TLV is above recommended level

VENTILATION Local exhaust to keep the vapor concentration below the Lower Explosive Limit and Threshold Limit Value

PROTECTIVE GLOVES Neoprene rubber gloves

EYE PROTECTION Goggles or side shield spectacles

OTHER PROTECTIVE EQUIPMENT A safety shower and eye bath should be readily available