

# Material Safety Data Sheet

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Skin-Bond ® Cement Flammable

**Chemical Formula:** N/A

**CAS Number:** N/A

**Other Designations:** N/A

**General Use:** Topical

**Manufactured For:** Smith & Nephew, Inc. 970 Lake Carillon Drive, Suite 110, St. Petersburg, FL 33716 **Phone:** 1 800 876-1261

**Date Reviewed:** December 8, 2003

## Section 2 - Composition Information on Ingredients

Ingredient Name	CAS Number	%wt or % Vol
Hexane	110-54-3	Proprietary
Natural Rubber & Fillers	N/A	Proprietary

## Section 3 - Hazards Identification

★★★★★Emergency Overview★★★★★

HMIS	
H	1
F	3
R	0
PPE	0

### Potential Health Effects

**Primary Entry Routes:** Ingestion, Inhalation, Skin Contact, Eye Contact

**Target Organs:** Kidney, liver

#### Acute Effects

**Inhalation:** Excessive inhalation of vapors can cause respiratory irritation & affect the central nervous system. Drowsiness, nose & throat irritation, headache, mild narcosis, nausea, loss of coordination, dizziness, unconsciousness, and even asphyxiation can occur. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**Eye:** Overexposure may cause irritation or corneal clouding.

**Skin:** Overexposure may cause dermatitis & defatting of skin.

**Ingestion:** Overexposure may cause gastrointestinal irritation, pain, nausea, & vomiting. Aspiration into lungs may cause chemical pneumonitis.

**Carcinogenicity:** This material is not known to have carcinogenic properties.

**Medical Conditions Aggravated by Long-Term Exposure:** None Known

**Chronic Effects:** Skin defatting or dermatitis. Kidney or liver damage. Excessive exposure to n-Hexane may cause peripheral neuropathy (numbness of fingers & toes).

## Section 4 - First Aid Measures

**Inhalation:** Remove to fresh air; restore or support breathing as needed.

**Eye Contact:** Flush eyes (including under the eyelids) with copious amounts of water for at least 15 minutes.

**Skin Contact:** Remove contaminated clothing; launder before reuse then wash skin with soap and water.

**Ingestion:** Do not induce vomiting. Contact a poison control center immediately for further instructions.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Special Precautions/Procedures:** None.

## Section 5 - Fire-Fighting

**Flash Point:** <0°F / < -17.8°C

**Flash Point Method:** CC

**Burning Rate:** Not determined

**Autoignition Temperature:** Not determined

**LEL (% vol. in air):** 1.1%

**UEL (% vol. in air):** 8.40%

**Flammability Classification:** Flammable liquid, Class IB

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, Alcohol Foam, & Water Fog.

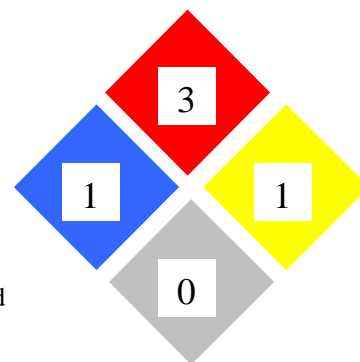
**Unusual Fire or Explosion Hazards:** Never use welding or cutting torch near product. Product, or even residue, can ignite explosively. Vapors are heavier than air, and may travel long distances to an ignition source and flashback. Water may be used to cool fire-exposed containers until fire is out.

**Hazardous Combustion Products:** None Known

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Self Contained Breathing Apparatus and protective clothing should be worn.

**NFPA:**



## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:**

**Small Spills:** Eliminate all ignition sources, provide adequate ventilation. Wipe up with rags, paper, or other absorbent, & place in a suitable container for disposal.

**Large Spills**

**Containment:** Dike spills to minimize contamination and contain material.

**Cleanup:** Soak up spills with rags, paper, or other absorbent, & place in a suitable container for disposal. Wear protective clothing & provide adequate ventilation.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - Handling and Storage

**Handling Precautions:** Avoid eye contact. Avoid breathing vapors.

**Storage Requirements:** Store in a cool, dry place <77° F (25° C)

**Regulatory Requirements:** None known for normal use

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** None required

**Ventilation:** Use in well ventilated areas, vapors can be harmful.

**Administrative Controls:** None required for normal use

**Respiratory Protection:** When working with small quantities in a well-ventilated area, respiratory equipment may not be required.

**Protective Clothing/Equipment:** When working with small quantities in a well-ventilated area, protective clothing / equipment may not be required.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Odor Threshold:** Not determined

**Vapor Pressure (mm Hg):** 119

**Vapor Density (Air=1):** < 1

**Formula Weight:** N/A

**Liquid Density:** Lighter than water

**Specific Gravity (H2O=1):** 0.76

**pH:** Not determined

**Evaporation Rate (% nBuAc):** 8.3

**Appearance and Odor:** A cream-colored liquid with a sweet and /or solvent odor.

**Water Solubility:** Negligible

**Other Solubilities:** Not determined

**Boiling Range:** 154-231°F / 68-111°C

**Freezing/Melting Point:** Neither determined

**Viscosity:** Not determined

**Refractive Index:** Not determined

**Surface Tension:** Not determined

**%Volatile (by vol. / by wt.):** 85% / 80%

## Section 10 - Stability and Reactivity

**Stability:** Stable

**Polymerization:** Hazardous polymerization will not occur.

**Chemical Incompatibilities:** Strong oxidizing agents

**Conditions to Avoid:** Heat, sparks, open flames, or uninsulated heating elements

**Hazardous Decomposition Products:** Oxides of carbon; smoke, aliphatics and others

## Section 11 - Toxicological Information

### Toxicity Data:

**Eye Effects:** Not determined

**Chronic Effects:** Not determined

**Skin Effects:** Not determined

**Carcinogenicity:** Not determined

**Acute Inhalation Effects:** Not determined

**Mutagenicity:** Not determined

**Acute Oral Effects:** Not determined

**Teratogenicity:** Not determined

## Section 12 - Ecological Information

**Ecotoxicity:** Not determined

**Environmental Fate:** Not determined

**Environmental Degradation:** Not determined

**Soil Absorption/Mobility:** Not determined

## Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations.

**Disposal Regulatory Requirements:** Follow applicable federal, state, and local regulations.

**Container Cleaning and Disposal:** Follow applicable federal, state, and local regulations.

## Section 14 - Transport Information

Adhesive Containing Flammable Liquid UN1133

## Section - 15 Regulatory Information

**EPA Regulations:** SARA Title III, Sec. 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 40 CFR 372:

<u>CAS #</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
110-54-3	N-Hexane	< 50
110-82-7	Cyclohexane	< 5
108-88-3	Toluene (Skin)	< 1
71-43-2	Benzene	<1
7439-92-1	Lead	<1
1314-13-2	Zinc Oxide	< 20
7440-43-9	Cadmium	< 1

**OSHA Regulations:** None known for normal use

**State Regulations:** May vary from state to state

## Section 16 - Other Information

**Additional Hazard Rating Systems:** None Known