

Safety Data Sheet



Freeman Band Saw Cement

Date of Preparation: December 1, 2015

Section 1 Chemical Product and Company Identification

1.1 Product identifiers

Product name: Freeman Band Saw Cement

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: N/A

1.3 Details of the supplier of the safety data sheet

Freeman Manufacturing and Supply Company

1101 Moore Road, Avon, OH 44011

Phone (440) 934-1902

FAX (440) 934-7200

1.4 Emergency telephone number

Emergency Phone (800) 424-9300

HMIS

| | |
|----------|---|
| H | 2 |
| F | 3 |
| R | 0 |

PPE

Sec. 8

Section 2 Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

Flammable Liquid, Category 2

Reproductive Toxicity, Category 2

Aspiration Hazard, Category 1

Specific Target Organ Toxicity, repeated exposure, Category 2

Specific Target Organ Toxicity, single exposure, Category 3

Skin Irritation, Category 2

Eye Irritation, Category 2A

2.2 GHS Label elements, including precautionary statements



Signal word

Danger

Hazard statements

Highly flammable liquid and vapor.

Causes mild skin irritation.

May be fatal if swallowed and enters airways.

May damage fertility or the unborn child.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Precautionary statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed when not in use.

Do not breathe fumes or vapors.

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Section 2 Hazards Identification cont.

Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

Response

If on skin: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and call doctor/physician if not feeling well.
If in eyes: Rinse continuously with water for at least 15 minutes.
Remove contact lenses, if present and easy to do.
Do NOT induce vomiting.
If swallowed, immediately call a POISON CENTER or a physician.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
In case of fire, use alcohol resistant foam, dry chemical, carbon dioxide (CO₂) or dry sand to extinguish.

Storage

Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents and container to an appropriate waste site in accordance with local and national regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

Section 3 Composition/Information on Ingredients

3.1 Substance

| Ingredient Name | CAS Number | % |
|---------------------|------------|-------|
| Methyl Ethyl Ketone | 78-93-3 | 25-50 |
| Toluene | 108-88-3 | 25-50 |

Section 4 First Aid Measures

4.1 Description of first aid measures

If inhaled

Move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water. If skin irritation continues, consult a doctor.

In case of eye contact

Remove contact lenses, if worn. Flush opened eyes thoroughly with water. If irritation persists, get medical assistance.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting.

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Section 4 First Aid Measures cont.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5 Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Use alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating and in case of fire.

5.3 Hazardous Combustion Products

Carbon oxides

5.4 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.5 Further information

No data available.

Section 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas.

Remove all sources of ignition.

Ensure adequate ventilation.

Remove all non-essential people from the area.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid binding material.

Sweep up and shovel, using non-sparking tools. Keep in suitable, closed containers for disposal.

Section 7 Handling and Storage

7.1 Precautions for safe handling

Use normal precautions when handling flammable materials. Do not breathe fumes or vapor. Do not allow material to contact skin. Provide appropriate exhaust ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store at ambient temperatures in closed containers. This material can catch fire if overheated. Do not heat this material above the flash point. Keep away from flame and open electrical coils. No chemical incompatibilities.

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Section 8 Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

| Ingredient | OSHA | | ACGIH | |
|---------------------|---------|-------------|--------|---------|
| | PEL | STEL | TWA | STEL |
| Methyl Ethyl Ketone | 200 ppm | None estab. | 200ppm | 300 ppm |
| Toluene | 100 ppm | 150 ppm | 20 ppm | 300 ppm |

8.2 Exposure controls

Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. An eye wash station and safety shower should be located near the workstation.

8.3 Personal protective equipment

Eye/face protection

With product at ambient temperatures, use safety glasses equipped with side shields.

8.4 Skin protection

Hand Protection

With product at ambient temperatures, use disposable nitrile gloves. Contaminated gloves should be replaced.

Body Protection

Prevent skin contact when handling material.

8.5 Respiratory Protection

The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used.

8.6 Safety Stations

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

8.7 General Hygienic Practices

Avoid breathing vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|--------------------------|------------------------|
| Appearance | Black Liquid |
| Odor | Characteristic solvent |
| Odor Threshold | No data available |
| pH | No data available |
| Melting Point | No data available |
| VOC Content | No data available |
| Boiling range | No data available |
| Flash Point (COC) | -4°C (25°F) |

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Section 9 Physical and Chemical Properties cont.

| | |
|-------------------------------------|-------------------|
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper/lower flammability | No data available |
| Vapor Pressure | No data available |
| Vapor density | No data available |
| Relative density (g/cc) | 0.90±0.05 |
| Water Solubility | Negligible |
| Coefficient: n-octanol/water | No data available |
| Auto-ignition temperature | No data available |
| Viscosity | No data available |
| Explosive Properties | No data available |
| Oxidizing Properties | No data available |
| % Volatile | 64% |

Section 10 Stability and Reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None.

10.4 Conditions to avoid

Heat and open flames.

10.5 Incompatible materials

Oxidizing agents, peroxides.

10.6 Hazardous decomposition products

Thermal oxidative decomposition can produce nitrogen oxides, CO and CO₂.

Section 11 Toxicological Information

11.1 Information on toxicological effects

| | |
|--|--|
| Acute Oral toxicity | LD ₅₀ 5000 mg/kg (rat) (toluene) |
| Acute Inhalation toxicity | LC ₅₀ 5320 mg/L (mouse) (toluene) |
| Acute Dermal toxicity | No data available |
| Respiratory or skin sensitization | Not a skin sensitizer |
| Germ cell mutagenicity | No data available |
| Carcinogenicity | |

| | |
|--------------|---|
| IARC | Toluene (CAS # 108-88-3) is group 3, not classifiable as carcinogenic to humans. |
| ACGIH | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen. |
| NTP | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen. |
| OSHA | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen |

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Section 11 Toxicological Information cont.

| | |
|---|---|
| Reproductive toxicity | No data available |
| Specific target organ toxicity - single exposure | No data available |
| Specific target organ toxicity - repeated exposure | Eyes, kidneys, liver, central nervous system, skin, respiratory system |
| Aspiration hazard | No data available |

Section 12 Ecological Information

| | |
|--|-------------------|
| 12.1 Toxicity | No data available |
| 12.2 Persistence and degradability | No data available |
| 12.3 Bioaccumulative potential | No data available |
| 12.4 Mobility in soil | No data available |
| 12.5 Results of PBT & vPvB assessment | No data available |

Section 13 Disposal Considerations

13.1 Disposal

Use safety containers for disposal. Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, State, and local regulations.

Section 14 Transport Information

DOT: Shipping Name: Adhesives
Hazard Class: 3
ID No.: UN 1133
Packing Group: III

IATA: Shipping Name: Adhesives
Hazard Class: 3
ID No.: UN 1133
Packing Group: III

IMDG: Shipping Name: Adhesives
Hazard Class: 3
ID No.: UN 1133
Packing Group: III

Section 15 Regulatory Information

15.1 US Federal Regulations

RCRA Hazardous Waste Number (40 CFR 261.33): Not listed
RCRA Hazardous Waste Classification (40 CFR 261): Not classified
CERCLA Hazardous Substance (40 CFR 302.4): Listed/unlisted specific per RCRA Sec. 3001
SARA 311/312 Codes: Chronic Health Hazard, Fire Hazard, Acute Health Hazard
SARA Toxic Chemical (40 CFR 372.65): No components were identified
TSCA Inventory Status: All ingredients listed on TSCA inventory requirements

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Section 15 Regulatory Information cont.

15.2 State Regulations

California Proposition 65: Toluene (CAS# 108-88-3) is listed as a developmental hazard.

15.3 Canadian Regulations

All components of this product are on the DSL or are exempt for DSL requirements.

Section 16 Other Information

16.1 Disclaimer

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.