

**Section 1 Identification**

**Product identifiers**

Product name: Alcohol Solvent

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

Identified uses: Solvent

**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

| HMIS   |   |
|--------|---|
| H      | 1 |
| F      | 3 |
| R      | 0 |
| PPE    |   |
| Sec. 8 |   |

**24 Hour Emergency Phone Number: (800) 424-9300 CHEMTREC**

**Section 2 Hazards Identification**

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

Flammable Liquids, Category 2  
Eye Corrosive, Category 2A  
Reproductive Toxin, Category 1B

**GHS Label elements**



**Signal word**

**Danger**

**Hazard statements**

Highly flammable liquid and vapor.  
Causes serious eye irritation.  
May damage fertility or the unborn child.

**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.  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only in a well-ventilated area.  
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. If eye irritation persists: Get medical advice/attention.

**Section 2 Hazards Identification** continued

In case of fire, use alcohol resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>) 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.

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

None known

**Section 3 Composition/Information on Ingredients**

| Ingredient Name | CAS Number | Weight Concentration % |
|-----------------|------------|------------------------|
| Methyl Alcohol  | 67-56-1    | 90 - 100               |

**Section 4 First Aid Measures**

**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, get medical assistance.

**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 and then drink with plenty of water. Call for medical help immediately.

Do not induce vomiting.

**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.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**Section 5 Fire-Fighting Measures**

**Extinguishing media**

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

**Special hazards arising from the substance or mixture**

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

**Hazardous Combustion Products**

Carbon oxides. Can form explosive vapor-air mixtures. Vapors are heavier than air and may spread along floors. Vapors may travel considerable distance to source of ignition and flash back.

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Section 6 Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapors, mist or gas. Avoid contact with skin and eyes. Remove all sources of ignition. Ensure adequate ventilation. Remove all non-essential people from the area. Ensure adequate ventilation. For personal protection see section 8.

**Environmental precautions**

Do not let product enter drains.

**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**

**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.

**Conditions for safe storage, including any incompatibilities**

Store at ambient temperatures in closed containers. Storage temperature 10-50°C. This material can catch fire if overheated. Do not heat this material above the flash point. Keep away from flame and open electrical coils. Do not store with oxidizing and acidic materials.

**Section 8 Exposure Controls/Personal Protection**

**Components with workplace control parameters**

| Ingredient     | OSHA    |             | ACGIH   |         |
|----------------|---------|-------------|---------|---------|
|                | PEL     | STEL        | TWA     | STEL    |
| Methyl Alcohol | 200 ppm | None estab. | 250 ppm | 250 ppm |

**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.

**Personal protective equipment**

**Eye/face protection**

Use safety glasses equipped with side shields. If splashes are likely to occur, wear goggles.

**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.

**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.

**Safety Stations**

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

### Section 8 Exposure Controls/Personal Protection continued

#### 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

|                                     |                     |
|-------------------------------------|---------------------|
| <b>Appearance</b>                   | Clear Liquid        |
| <b>Odor</b>                         | Solvent             |
| <b>Odor Threshold</b>               | No data available   |
| <b>pH</b>                           | No data available   |
| <b>Melting Point</b>                | No data available   |
| <b>VOC Content</b>                  | No data available   |
| <b>Boiling Range</b>                | 65°C                |
| <b>Flash Point (COC)</b>            | 0°C (32°F)          |
| <b>Evaporation Rate</b>             | No data available   |
| <b>Flammability (solid, gas)</b>    | No data available   |
| <b>Lower Explosive Limit</b>        | 6.00                |
| <b>Vapor Pressure</b>               | 96.0 mmHg           |
| <b>Vapor Density</b>                | 1.1                 |
| <b>Specific Gravity</b>             | 0.791               |
| <b>Water Solubility</b>             | Negligible          |
| <b>Coefficient: n-octanol/water</b> | No data available   |
| <b>Auto-ignition temperature</b>    | 464°C (867°F)       |
| <b>Viscosity</b>                    | No data available   |
| <b>Explosive Properties</b>         | No data available   |
| <b>Oxidizing Properties</b>         | No data available   |
| <b>% Volatile</b>                   | 6.7 lb./gal. (100%) |

### Section 10 Stability and Reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | No data available   |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.                                    |
| <b>Possibility of hazardous reactions</b> | None.   |
| <b>Conditions to avoid</b>                | Heat and open flames.   |
| <b>Incompatible materials</b>             | Oxidizing agents, peroxides   |
| <b>Hazardous decomposition</b>            | Thermal oxidative decomposition can produce carbon monoxide and carbon dioxide. |

### Section 11 Toxicological Information

#### Information on toxicological effects

|                                    |                           |
|------------------------------------|---------------------------|
| <b>Acute oral toxicity</b>         | LD50 (rat) 5628 mg/kg     |
| <b>Acute inhalation toxicity</b>   | LC50 (rat) 1307 mg/L      |
| <b>Acute dermal toxicity</b>       | LD50 (rabbit) 15800 mg/kg |
| <b>Skin corrosion / irritation</b> | Irritating to eyes        |
| <b>Eye damage / irritation</b>     | Irritating to skin        |

**Section 11 Toxicological Information** continued

|  |   |
|--|---|
| <b>Respiratory or skin sensitization</b> | No data available   |
| <b>Germ cell mutagenicity</b>            | Mutagenic effects have occurred in experimental animals   |
| <b>Carcinogenicity</b>                   |   |
| <b>IARC</b>                              | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen. |
| <b>ACGIH</b>                             | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen. |
| <b>NTP</b>                               | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen. |
| <b>OSHA</b>                              | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen. |
| <b>Reproductive toxicity</b>             | Developmental effects (Immediate/Delayed) have occurred in experimental animals   |
| <b>Specific target organ toxicity</b>    |   |
| - single exposure                        | No data available   |
| <b>Specific target organ toxicity</b>    |   |
| - repeated exposure                      | Eyes, kidneys, liver, central nervous system, skin, respiratory system  |
| <b>Aspiration hazard</b>                 | No data available   |
| <b>Additional Information</b>            | May be fatal or cause blindness if swallowed.   |

**Section 12 Ecological Information**

|   |  |
|---|--|
| <b>Ecotoxicity</b>                          | 96 Hr LC50 Pimephales promelas:28200 mg/L  |
| <b>Persistence and degradability</b>        | Not persistent                             |
| <b>Bioaccumulative potential</b>            | Not bioaccumulative                        |
| <b>Mobility in soil</b>                     | Aqueous solution has high mobility in soil |
| <b>Results of PBT &amp; vPvB assessment</b> | No data available                          |

**Section 13 Disposal Considerations**

**Disposal**

The product should not be allowed to enter drains, water courses, or the soil. Use safety containers for disposal. Contact a licensed waste management company for detailed recommendations. Follow applicable Federal, state, and local regulations.

**Section 14 Transport Information**

**DOT: Shipping Name:** Methanol  
**Hazard Class:** 3  
**ID No.:** UN 1230  
**Packing Group:** II

**IATA: Shipping Name:** Methanol  
**Hazard Class:** 3  
**ID No.:** UN 1230  
**Packing Group:** II

**Section 14 Transport Information** continued

**IMDG: Shipping Name:** Methanol  
**Hazard Class:** 3  
**ID No.:** UN 1230  
**Packing Group:** II


**Section 15 Regulatory Information**

**US Federal Regulations**

RCRA Hazardous Waste Code: 67-56-1 Methanol RCRA waste code U154  
CERCLA Hazardous Substance (40 CFR 302.4): 67-56-1 Methanol 5000 lb  
SARA 311/312 Codes: Chronic Health Hazard, Fire Hazard, Acute Health Hazard  
SARA 313 Toxic Chemical: 67-56-1 Methanol  
TSCA Inventory Status: All ingredients listed on TSCA inventory requirements

**US State Regulations**

California Proposition 65

 **WARNING:** This product can expose you to chemicals including methanol, which is known to the State of California to cause birth defects or other reproductive harm.  
For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Canadian Regulations**

Canadian Domestic Substances List (DSL): All ingredients are listed.

**Section 16 Other Information**

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