

## Material Safety Data Sheet (MSDS)

### White Spirit (Solvent 402)

Prepared by: ATDM Co.

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#### Section 1: Product and Company Identification

- **Product Name:** White Spirit (Solvent 402)
  - **Synonyms:** Mineral Spirits, Solvent 402
  - **Manufacturer:** ATDM Co.
  - **Recommended Use:** Solvent for cleaning, paint thinning, and degreasing.
  - **Restrictions on Use:** For industrial and household use only.
  - **Date Prepared:** 2025.01.02
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#### Section 2: Hazard Identification

- **Classification:**
    - Flammable liquid and vapor (Category 2)
    - Aspiration hazard (Category 1)
    - Eye irritation (Category 2A)
  - **Label Elements:**
    - **Signal Word:** Danger
    - **Hazard Statements:**
      - Highly flammable liquid and vapor.
      - May be fatal if swallowed and enters airways.
      - Causes serious eye irritation.
  - **Precautionary Statements:**
    - Keep away from heat/sparks/open flames/hot surfaces – No smoking.
    - Use explosion-proof electrical equipment.
    - Avoid breathing vapors.
    - Wear protective gloves/eye protection.
    - If swallowed: Immediately call a poison center/doctor.
    - In case of fire: Use foam, dry powder, or carbon dioxide for extinguishing.
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#### Section 3: Composition/Information on Ingredients

- **Substance:**
    - **Chemical Name:** Aliphatic hydrocarbons
    - **CAS Number:** 8052-41-3
    - **Concentration:** 100%
  - **Additional Ingredients:**
    - **Petroleum Distillates:** Presence of small quantities of aliphatic and aromatic hydrocarbons.
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#### Section 4: First Aid Measures

- **Eye Contact:**
    - Rinse immediately with plenty of water for at least 15 minutes.
    - If irritation persists, seek medical attention.
  - **Skin Contact:**
    - Wash with soap and water.
    - If skin irritation occurs, get medical advice.
  - **Inhalation:**
    - Move the person to fresh air.
    - If symptoms persist, seek medical attention.
  - **Ingestion:**
    - Do not induce vomiting.
    - Immediately seek medical attention or call the Poison Control Center.
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### Section 5: Firefighting Measures

- **Suitable Extinguishing Media:**
  - Foam, dry powder, or carbon dioxide (CO<sub>2</sub>).
  - Water spray may be used to cool containers.
- **Special Firefighting Procedures:**
  - Wear self-contained breathing apparatus (SCBA) with full face mask.
  - Avoid inhalation of fumes or vapors.
- **Hazardous Combustion Products:**
  - Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), and other harmful gases.

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### Section 6: Accidental Release Measures

- **Personal Precautions:**
  - Evacuate personnel from the spill area.
  - Wear appropriate personal protective equipment (PPE), including gloves, goggles, and a vapor respirator.
- **Environmental Precautions:**
  - Do not allow product to enter drains, sewers, or watercourses.
  - If necessary, contain the spill with sand or absorbent material.
- **Methods for Cleaning Up:**
  - Absorb the liquid with inert material, such as sand, earth, or vermiculite.
  - Dispose of the collected material according to local regulations.

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### Section 7: Handling and Storage

- **Handling:**
  - Keep away from heat, sparks, open flames, and hot surfaces.
  - Avoid breathing vapors.
  - Use in well-ventilated areas.
- **Storage:**
  - Store in a cool, dry place, away from sources of ignition.
  - Keep containers tightly closed when not in use.
- **Incompatible Materials:**
  - Strong oxidizing agents.
  - Strong acids or bases.

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### Section 8: Exposure Controls/Personal Protection

- **Occupational Exposure Limits:**
  - OSHA TWA: 100 ppm (TWA)
  - ACGIH TWA: 100 ppm (TWA)
- **Engineering Controls:**
  - Use adequate ventilation to minimize vapors.
  - If necessary, use a vapor respirator.
- **Personal Protective Equipment:**
  - **Eye Protection:** Safety glasses or goggles.
  - **Skin Protection:** Gloves resistant to solvent.
  - **Respiratory Protection:** Use a suitable air-purifying respirator if exposure limits are exceeded.

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### Section 9: Physical and Chemical Properties

- **Appearance:** Clear, colorless liquid
- **Odor:** Characteristic solvent odor
- **Boiling Point:** 140-200°C (284-392°F)
- **Flash Point:** 38°C (100°F)
- **Vapor Pressure:** 0.5 mm Hg @ 20°C

- **Density:** 0.79-0.81 g/cm<sup>3</sup>
- **Solubility:** Insoluble in water

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#### Section 10: Stability and Reactivity

- **Stability:**
  - Stable under normal conditions.
- **Conditions to Avoid:**
  - Heat, open flames, sparks.
- **Incompatible Materials:**
  - Strong oxidizing agents, acids, or bases.
- **Hazardous Decomposition Products:**
  - Carbon monoxide, carbon dioxide, and other harmful gases may form when heated to decomposition.

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#### Section 11: Toxicological Information

- **Inhalation:**
  - May cause respiratory irritation. Prolonged exposure can lead to dizziness, headaches, or central nervous system depression.
- **Skin Contact:**
  - May cause mild skin irritation upon prolonged exposure.
- **Ingestion:**
  - May cause nausea, vomiting, or gastrointestinal discomfort. Aspiration into the lungs may cause serious damage.
- **Carcinogenicity:**
  - Not classified as a carcinogen.

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#### Section 12: Ecological Information

- **Ecotoxicity:**
  - Harmful to aquatic life with long-lasting effects.
- **Persistence and Degradability:**
  - Product is biodegradable but may persist in the environment for an extended period.
- **Bioaccumulative Potential:**
  - May accumulate in aquatic organisms.
- **Mobility in Soil:**
  - Likely to persist in soil due to low solubility in water.

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#### Section 13: Disposal Considerations

- **Waste Disposal:**
  - Dispose of according to local, state, and federal regulations.
  - Do not discharge into drains or water systems.

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#### Section 14: Transport Information

- **UN Number:** 1300
- **UN Proper Shipping Name:** White spirit (Solvent 402)
- **Transport Hazard Class:** 3
- **Packing Group:** II
- **Environmental Hazards:** Harmful to aquatic life.

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#### Section 15: Regulatory Information

- **OSHA:** Classified as hazardous under OSHA 29 CFR 1910.1200.
- **EPA:** Classified as hazardous waste under EPA regulations (40 CFR 261).



**Section 16: Other Information**

- The information provided in this MSDS is believed to be accurate based on the best available data at the time of preparation. However, ATDM Co. makes no warranty, expressed or implied, regarding the accuracy of this data or its suitability for specific applications. Always follow local regulations and consult a professional before use.