

# MATERIAL SAFETY DATA SHEET

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## SECTION 1 – PRODUCT NAME AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** Armite Rust Penetrant /  
1001 Penetrant

**PRODUCT USE:** For rusted or frozen fittings, bolts or nuts.  
Dissolves rust allowing for disassembly.

**Manufacture/Supplier:** Armite Laboratories Inc.  
1560 Superior Ave  
Costa Mesa, CA 92627

**Phone:** (949) 646-9035  
**Fax:** (949) 646-8319

**EMERGENCY:** Chem-Tel Inc. (800) 255-3924

**Prepared By:** Armite Laboratories  
**Last Revision Date:** January 15, 2010

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## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

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<u>Hazardous Components (Specific)</u>	<u>CAS Number.</u>	<u>OSHA PEL/TWA</u>	<u>ACGIH</u>	<u>% (opt.)</u>
Hydro-treated Mineral Spirits (petroleum hydrocarbon solvent)	84742-88- (mixture)			

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## SECTION 3 – HAZARDS IDENTIFICATION

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**Route of Entry:** Eyes, Ingestion, Skin, Inhalation

**Eyes:** May cause mild irritation with short-term exposure.

**Ingestion:** May irritate mucus membranes of mouth, throat and esophagus.

**Skin:** May cause mild, transient irritation with short term exposure.

**Inhalation:** Breathing high concentrations may be harmful. Vapor or mist can irritate the throat & lungs. Breathing this material may cause central nervous system depression symptoms including nausea, headache, dizziness, etc.

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## SECTION 4 – FIRST AID MEASURES

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**Eyes:** Remove contact lens if present. Flush with cool clean water for at least 15 minutes.

**Ingestion:** Do not induce vomiting. If ingested material presents a significant aspiration and chemical pneumonitis hazard. Seek medical attention immediately. Consider activated charcoal and/or gastric lavage.

**Skin:** Flush with large amounts of water followed by mild soap & water. If necessary, seek medical attention.

**Inhalation:** Move person to fresh air immediately. If breathing is difficult, seek medical attention. A qualified person should administer 100% humidified oxygen.

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## SECTION 5 – FIRE FIGHTING MEASURES

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**Flammability:** Lower Flammable Limit AP 0.8% - Upper Flammable Limit AP 6%

**Extinguishing Media:** Use CO<sub>2</sub>, Dry Chemicals, Foam, Water Fog, or Inert gas (nitrogen)

**Flash Point:** (CC): 145° F (63° C)

**Explosive Properties:** Combustible liquid, vapors and cause flash fires. Vapors can travel to ignition source and flashback. Vapor & air mixture can create an explosion hazard in confined spaces such as sewers.

**Hazardous Combustion Products;** Carbon Dioxide, carbon monoxide, smoke, fumes and unburned hydrocarbons.

**Special Fire Fighting Procedures:** Full bunker gear including NIOSH-approved positive pressure breathing apparatus.

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## SECTION 6 – ACCIDENTAL REALEASE MEASURES

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**Spillage:** A vapor-suppressing foam may be used to reduce vapors. Collect excess material with absorbent pads, sand or other inert non-combustible absorbent material.

**Environmental Precautions:** Prevent entry into waterways, sewers, basements, or confined areas.

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## SECTION 7 – HANDLING AND STORAGE

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**Handling Procedures:** Spill or leak can cause immediate fire or explosion hazard. Keep containers closed and do not handle or store near heat, sparks, or any potential ignition source. Do not contact with oxidizable materials. Do not breathe vapors.

**Storage Requirements:** Store in a cool, well ventilated place..

**Engineering Controls:** Provide exhaust ventilation and other controls to prevent vapor/mists below limits.

Petroleum Hydrocarbon Distillates- ACGIH TWA: 110ppm OSHA TWA: 500ppm

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**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Respiratory Protection:** For unknown vapor concentrations use SCBA. Insure proper ventilation.

**Hand & Eye Protection:** Protective gloves. Protective glasses.

**Skin Protection:** Avoid Skin contact. Wear long sleeve, fire retardant garments, may include aprons, boots & facial protection.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Physical State:</b> Lt. Colored Liquid	<b>Odor:</b> Hydrocarbon Odor	<b>Vapor Pressure:</b> 0.07kPa (0.5 mm Hg) @20°C
<b>Specific Gravity:</b> 0.79 @60°F	<b>Odor Threshold:</b> Not Determined	<b>0.27 torr @20°C (68°F) by Isoteniscope</b>
<b>VOC:</b> 794 g/l (w/w)	<b>pH:</b> Not Applicable	<b>(ASTM D-2879)</b>
<b>Boiling Point:</b> 350°F - 415°F	<b>Density:</b> 6.61 lbs/gal @ 60° F	<b>Vapor Density:</b> >1 (Air=1)
<b>Melting Point:</b> Not Applicable	<b>Evaporation Rate:</b> 0.03	<b>Solubility in Water:</b> Very slightly soluble
<b>Freezing Point:</b> Not Available	<b>(Butyl Acetate = 1.0):</b>	<b>in cold water. (&lt;0.1% w/w)</b>

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**SECTION 10 – STABILITY AND REACTIVITY**

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**Stability:** Stable

**Conditions to Avoid:** Heat, flame and other potential ignition sources. Keep away from strong oxidizing conditions/agents.

**Materials to Avoid:** Strong acids, alkalis, and oxidizers such as liquid chlorine & oxygen.

**Hazardous Decomposition Products:** No additional hazards other than combustion other than listed in section 5.

**Hazardous Polymerization:** Not expected to occur.

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**SECTION 11 – TOXICOLOGY INFORMATION**

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**Exposure Limit of Material:** See Section 2

**Teratogenicity, Embryotoxicity and/or Fetotoxicity:** Not Available

**Mutagenicity:** Not Available

**Effects of Long-Term (Chronic) Exposure:** Lead - Chronic overexposure to high levels of airborne or ingested lead may result in anemia, insomnia, weakness, constipation, nausea & abdominal pain. Prolonged overexposure may result in kidney & gastrointestinal disorders, not likely with this material.

**Carcinogenicity:** None NTP: N/A IARC: N/A OSHA: N/A

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**SECTION 12 – ECOLOGICAL INFORMATION**

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**Possible Effects:** This mixture contains components that are potentially hazardous to fresh & saltwater ecosystems.

**Behavior:** Relatively well behaved. Bio accumulation potential nil.

**Environmental Fate:** Highly unlikely to cause widespread contamination.

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**SECTION 13 – DISPOSAL CONSIDERATION**

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**Hazard characteristics and regulatory waste stream classification can change with product use. Consult federal, state and local regulations for disposal. Contact RCRA Hotline @ 800 424-9346, or local EPA office for guidelines.**

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**SECTION 14 – TRANSPORTATION INFORMATION**

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**Proper Shipping Name:** Petroleum Distillates, N.O.S. (Petroleum Naphtha) DOT: Not regulated if in container <119Gallons

**IMDG Classification:** This product is not regulated by IMDG.

**ICAO Classification:** This product is not regulated by the ICAO.

**Land and Rail:** Not Regulated

**CLASS:** Combustible Liquid UN: 1268

**PG:** III

**PLACARDS:** None

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**SECTION 15 – REGULATORY INFORMATION**

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**TSCA/EPA Inventory List. SARA 311/312 -This material classified under the following hazard categories: Fire-Acute (Immediate), Health Hazard- Chronic (Delayed) Health Hazard. CERCLA-contact state & local authorities for their requirements in the event of a spill. Consumer Product Safety Comm.: Special labeling-DANGER Keep out of reach of children. Harmful or fatal id swallowed.**

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**SECTION 16 – OTHER INFORMATION**

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Do not reuse containers.

This M.S.D.S and the information it contains is offered to you in good faith as accurate. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents.

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