

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT NAME AND COMPANY IDENTIFICATION

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
Prepared By: Armite Laboratories
Last Revision Date: February 14, 2008

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

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Components (Specific)</u>	<u>CAS Number.</u>	<u>OSHA PEL/TWA</u>	<u>ACGIH</u>	<u>% (opt.)</u>
Solvent Naphtha (Petroleum), Medium Aliphatic	64742-88-7	500ppm 2900 mg/m3 / 100ppm 525mg/m3	100ppm	

SECTION 3 – HAZARDS IDENTIFICATION

Safety Hazards: Combustible liquid. Vapours are heavier than air. Vapours may travel across the ground and reach remote ignition sources causing a flashback fire danger.

Health Hazards:

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

Ingestion: Harmful: May cause lung damage if swallowed

Skin: May cause moderate irritation to skin. Repeated exposure may cause skin dryness & cracking.

Inhalation: Vapours expected to be slightly irritating. Vapours may cause drowsiness and dizziness.

SECTION 4 – FIRST AID MEASURES

In general no treatment is necessary, however, obtain medical advise.

Eyes: Remove contact lens if present. Flush with cool clean water with lids open. Rest eyes for at least 30 minutes.

Ingestion: Do not induce vomiting.: transport to nearest medical facility for treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

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 rapid recovery does not occur, obtain medical attention

SECTION 5 – FIRE FIGHTING MEASURES

Flammability:

Extinguishing Media: Foam, Water spray or fog. Dry chemical powder, carbon dioxide, sand or earth for small fires.

Do not use jet stream of water. Do not discharge extinguishing waters into the aquatic environment.

Flash Point: Typical 61-66°C /142-151°F (ASTM D-93 / PMCC)

Explosion. Flammability: Carbon Monoxide may be involved is incomplete combustion occurs. Will float and can be Re-ignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

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

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 – HANDLING AND STORAGE

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

MATERIAL SAFETY DATA SHEET

Rust Penetrant 1001 Con't

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Colorless Liquid	Odor: Hydrocarbon Odor	Vapor Pressure: Typical 30-93Pa @ 0°C/32°F
Specific Gravity: 0.78 – 0.81	pH: Not Applicable	VOC: 100%
Boiling Point: 179-213°C / 354-417°F	Flash Point: Typical 61-66°C / 142-151°F (ASTM D-93 / PMCC)	Auto Ignition Temp: 235-315°C / 455 - 599°F (ASTM E-659)
Pour Point: <-25°C / -13°F	Water Solubility: insoluble	Evaporation Rate: 0.04 ASTM D 3539, (nBuAc=1)
Explosion/Flammability limits in air: 0.7 – 6%(V)		

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Heat, spark or flame and other potential ignition sources.

Materials to Avoid: Strong oxidising agents.

Hazardous Decomposition Products: Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

SECTION 11 – TOXICOLOGY INFORMATION

Acute Oral Toxicity: Low toxicity:LD50>2000mg/kg,(rat) . Aspiration into lungs when swallowed or vomited may cause pneumonitis which can be fatal. **Acute Dermal Toxicity:** Expected to be low, LD50>2000mg/kg (rat). **Carcinogenicity:** Repeated exposure causes skin tumour promotion in experimental animals.

SECTION 12 – ECOLOGICAL INFORMATION

Acute Toxicity Fish, Aquatic Invertebrates and Algae Low Toxicity: LC/EC/IC50>1000mg/l

Mobility: Floats on Water. Expected to be biodegradable. Oxidises rapidly by photo-chemical reaction in the air. Has potential to bioaccumulate.

SECTION 13 – DISPOSAL CONSIDERATION

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.

SECTION 14 – TRANSPORTATION INFORMATION

Proper Shipping Name: Petroleum Distillates, n.o.s. **Class/Division:** Combustible liquid

DOT: Not regulated under 49 CFR if in container <119Gallons

IMDG: Not Regulated IATA (Country variations may apply) Not classified as dangerous under IATA regulations

CLASS: Combustible Liquid **UN:** 1268 **PG:** III contains Oil **PLACARDS:** None

SECTION 15 – REGULATORY INFORMATION

TSCA/EPA Inventory List. SARA 311/312 -This material classified under the following hazard categories: **Chronic (Delayed) Health Hazard: Fire Hazard.** Notification status: DSL-listed, INV (CN) -listed, TSCA –listed, EINECS –listed 265-191-7, KECI (KR) listed KE-31664, (PH) listed.

SECTION 16 – OTHER INFORMATION

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.

HMIS SYMBOL

HEALTH	1
FIRE	2
REACTIVITY	0
PPI	N/R

NFPA SYMBOL

