



U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form). Format meets ANSI Z400.1-
1998, OSHA 1910.1200 and WHMIS requirements.





Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

Section 1: Product and Company Identification

Product Name: PENETRATING SOLVENT AND LUBRICANT
Product Description: Penetrating Solvent and Lubricant (14 fl oz aluminum can with printed label, 12 cans/box)
Manufacturer: TECHNIWELD USA
Physical Address: 6205 BOAT ROCK BLVD
ATLANTA, GA 30336
Mailing Address: P.O. Box 44226
ATLANTA, GA 30336
Business Phone: 404-699-9900
Business Fax: 404-699-7800
E-mail Address: info@TWUSA.COM
Web Address: www.TWUSA.COM
Emergency Phone: CHEMTREC (24-Hour) 1-800-424-9300
Outside of the USA & Canada 1-703-527-3887
Date of Preparation: November 28, 2024
OSHA Regulatory Status: Non-Regulated
WHMIS Classification: Not a Controlled Product

Section 2: Hazards Identification

Physical hazards	Aerosol - Category 2 Press. Gas Flam. Liq. 2.1
Health Hazards	Eye Irrit. 2 STOT SE 3 Asp. Tox. 1 Repr .2 STOT RE 2 Skin. Irrit. 2
Labeling	   

Signal Word	Danger
Hazard Statements	<p>H222 – Extremely Flammable Aerosol H225 – Highly flammable liquid and vapor.</p> <p>H229 – Pressurized container: may burst if heated H304 – May be fatal if swallowed and enters airways H315 – Causes skin irritation.</p> <p>H319 – Causes serious eye irritation.</p> <p>H336 – May cause drowsiness or dizziness. H340 – May cause genetic defects</p> <p>H350 – May cause cancer</p> <p>H361 – Suspected of damaging fertility or the unborn child.</p> <p>H373 – May cause damage to the nervous system through prolonged or repeated exposure (Inhalation)</p> <p>H411 – Toxic to aquatic life with long-lasting effects.</p>
Precautionary Statements	<p>P101 - If medical advice is needed, have a product container or label at hand</p> <p>P102 - Keep out of reach of children P103 - Read the label before use</p> <p>P210 - Keep away from heat/sparks/open flames/hot surfaces - no smoking</p> <p>P211 - Do not spray on an open flame or another ignition source</p> <p>P251 - Pressurized container: Do not pierce or burn, even after use</p> <p>P261 - Avoid breathing dust/fume/gas/mist/vapors/spray</p> <p>P262 - Do not get in eyes, on skin, or on clothing</p> <p>P264 - Wash ... thoroughly after handling</p> <p>P280 - Wear protective gloves/eye protection/face protection</p> <p>P303+P361+P353 - If on skin or hair, remove/take off immediately all contaminated clothing. Rinse skin with water.</p> <p>P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F</p> <p>P501 - Dispose of contents/container in accordance with local/regional/national/international regulation</p> <p>P251 - Pressurized container: Do not pierce or burn, even after use.</p>

Section 3: Composition and Information on Ingredients		
Chemical	CAS Number	Weight Percent
Aliphatic Hydrocarbon	64741-84-0	10 - 30%
Aliphatic distillate	64742-48-9	10 - 30%
Propane-2-ol	67-63-0	10 - 30%
Propane	74-98-6	15-30%
Butane	106-97-8	10-20%

Section 4: First Aid Measures	
Eye contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.
Skin Contact	In case of contact, immediately flush the skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Serious Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Serious Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt, or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt, or waistband. Get medical attention if symptoms appear.

Section 5: Fire Fighting Measures	
Flammability of the Product	Aerosol (Flammable)
Auto-Ignition Temperature	Not Available.
Flash points	CLOSED CUP: N/A, OPEN CUP: N/A
Flammable Limits	LOWER: N/A UPPER: N/A
Products of Combustion	These products are carbon oxides (CO, CO2).
Fire Hazards in the Presence of Various Substances	Highly flammable in the presence of open flames and sparks, of heat.

Explosion Hazards in the Presence of Various Substances	Risks of explosion of the product in the presence of mechanical impact: Not available. Slightly explosive in the presence of open flames and sparks, of oxidizing materials, of acids.
Fire Fighting Media and Instructions	Use water fog, dry chemicals, carbon dioxide, or foam. Do not use water jets or flooding amounts of water. Burning products will float on the surface and spread fire.
Small fire	Use DRY chemical powder.
Large fire	Use alcohol foam, water spray, or fog.
Special remarks on fire hazards	Vapor may travel a considerable distance to the source of ignition and flash back.
Special remarks on explosion hazards	Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors are heavier than air and may travel along surfaces to remote ignition sources and

Section 6: Accidental Release Measures	
Personal Precautions	Personal Protection Equipment must be worn.
Environmental Precautions	Inform respective authorities in case of seepage in to water course or sewage system. Do not allow to enter sewers/surface or groundwater. Prevent from spreading(e.g.by damming-in-or oil barriers).
Methods and material for containment and cleaning up	Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.
Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7: Handling and Storage	
Precautions for safe handling	Avoid contact with eyes. Avoid prolonged contact with the skin. Avoid breathing vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces, and open flames. Unplug electrical tools, motors, and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances, or any other source of electricity. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture, crush, or incinerate containers, even when empty.
Information about fire and explosion protection	Keep ignition sources away. Do not smoke.

Requirements to be met by storerooms and receptacles	Store in a cool location. Protect from frost. Store in cool, dry conditions in well-sealed receptacles. Protect from heat and direct sunlight. Observe official regulations on storing packaging with pressurized containers. Provide solvent-resistant, sealed floor.
Information about storage in one common storage facility	Store in a cool, well-ventilated area, away from incompatible materials. Do not store above 120°F or in direct sunlight

Section 8: Exposure Controls / Personal Protection	
Exposure standards	Not established.
Engineering controls	Conventional airflow is generally considered to be acceptable. In confined areas, exhaust fans should be utilized in accordance with good working practices.
Hand protection	Neoprene rubber, impermeable gloves, cuffed butyl rubber, Nitrile rubber, or PVC gloves are suitable.
Eye protection	Splash-proof eye goggles.
Skin protection	Long-sleeved clothing.
Flammability	Flammable.
Respiratory protection	If ventilation is insufficient, wear respiratory protection.
General Protective measures	Avoid contact with eyes and skin. Do not inhale gases/vapors/aerosols.
Hygiene measures	At work do not eat, drink, smoke, or take drugs.
Hazardous Ingredient	Occupational Exposure limits
Aliphatic Hydrocarbon	1200 mg/m ³ TWA (manufacturer recommended)
Petroleum Base Oil	5 mg/m ³ TWA (Inhalable) ACGIH TLV (as mineral oil) 5 mg/m ³ TWA, 10 mg/m ³ STEL Canada- Québec (as oil mist, mineral) 5 mg/m ³ TWA, 10 mg/m ³ STEL Canada- Ontario (as oil mist, mineral) 1 mg/m ³ TWA British Columbia (as Oil mist-mineral, severely refined)
Carbon Dioxide	5000 ppm TWA, 30,000 ppm STEL ACGIH TLV 5000 ppm TWA, 30,000 ppm STEL Canada-Ontario 5000 ppm TWA, 30,000 ppm STEL Canada-Québec 5000 ppm TWA, 15,000 ppm STEL British Columbia

Section 9: Physical and Chemical Properties	
Information on basic physical and chemical properties	
Appearance	Liquid
Color	Light green to amber
Odor	Mild Petroleum odor
pH-value	Not applicable

Melting point	Not available
Boiling point	361 - 369°F (183 - 187°C)
Evaporation Rate	Not Established
Flash Point	122°F (49°C) Tag Open Cup (liquid)
Flammability (Solid, Gaseous)	Flammable Aerosol
Self-igniting	No
Specific gravity @ 25°C	0.80 ± 0.03
Solubility in/Miscible with water	Insoluble
Viscosity	Not applicable
Non-Volatile content (%)	Not available
Volatile content (%)	>80
Other information	None

Section 10: Stability and Reactivity

Conditions to avoid	Open flames, sparks, Electrical arcs.
Materials to avoid	Strong oxidizing agent, strong acids or bases.
Hazardous decomposition products	Carbon monoxide and Carbon dioxide
Thermal decomposition	No decomposition if suitable use.

Section 11: Toxicological Information

Inhalation	High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness, and nausea. Intentional abuse may be harmful or fatal
Skin Contact	Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis
Eye Contact	Contact may be irritating to the eyes. It may cause redness and tearing.
Ingestion	This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage, and death.
Chronic Effects	None expected.
Carcinogen Status	None of the components are listed as a carcinogen or suspect carcinogen by IARC, NTP, ACGIH, or OSHA.

Reproductive Toxicity	None of the components is considered a reproductive hazard.
Numerical Measures of Toxicity	Acute Toxicity Estimates: Oral > 5,000 mg/kg; Dermal >2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.

Section 12: Ecological Information

Ecotoxicity	No specific aquatic toxicity data is currently available; however, components of this product are not expected to be harmful to aquatic organisms
Persistence and Degradability	Components are readily biodegradable.
Bioaccumulative Potential	Bioaccumulation is not expected based on an assessment of the ingredients.
Mobility in Soil	No data available
Other Adverse Effects	None known

Section 13: Disposal Considerations

Recommendations for the product	Remove in accordance with local official regulations. There are no harmonized regulations on the disposal of chemicals in the member states of the EU. In Germany, the Recycling and Waste Management Act 8 KrW-/AbfG) stipulates recycling as a requirement.
Recommendations for packaging	Dispose of according to the local waste regulations
General information	For proper waste disposal, a complete emptying of the tin is necessary.

Section 14: Transportation Information

DOT					
UN Number	Proper Shipping Name	Hazard Class	Packing Group	Marine Pollutant	Special Provisions
UN1950	Aerosols, Flammable	2.1	II	Not Applicable	Reference 49 CFR 172.101
MDG					
UN Number	Proper Shipping	Hazard Class	Packing Group	Marine Pollutant	Special Provisions
	Name				
UN1950	Aerosols, Flammable	2.1	II	Not Applicable	Reference IMDG code part

					3
IATA					
UN Number	Proper Shipping Name	Hazard Class	Packing Group	Marine Pollutant	Special Provisions
UN1950	Aerosols, Flammable	2.1	II	Not Applicable	Reference IATA Dangerous Goods

Section 15: Regulatory Information

Workplace classification	This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). The Occupational Safety and Health Administration's interpretation of the product's hazard to workers.
SARA Title 3	Section 311/312 Categorizations (40 CFR 372): This product is a hazardous chemical under 29 CFR 1910.1200, and is categorized as an immediate and delayed health, and flammability physical hazard. Superfund Amendment and Reauthorization Act (SARA) category. SARA requires reporting any spill of any hazardous substance.
TSCA status	All chemicals in this product are listed or are exempt from listing, on the TSCA Inventory.
WHMIS	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the (M)SDS contain all of the information required by the CPR

Section 16: Other Information

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