



SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Identifier: **PowerWeld Nuclear Cleaner/Remover**
Product Use: Non-Destructive Dye Penetrant Cleaner
Item Code: PW1500
Supplier Name: PowerWeld Inc.
Supplier Address: 2501 Beech Street
Valparaiso, IN 46383
Supplier Web Address: www.powerweldinc.com
Supplier Phone: 219-462-8700
1-800-826-9073
Emergency Phone: CHEMTREC (24-Hour) 1-800-424-9300
Prepared By: PowerWeld Inc.
Preparation Date: 10 June 2016
OSHA Regulatory Status: Regulated
WHMIS Classification: A, B-5, D-2B

Section 2: Hazard Identification

Classification: Germ cell mutagenicity Category 1B
Carcinogenicity Category 1A
Aspiration toxicity Category 1
Flammable aerosols Category 1

Label Elements:



Hazard Phrases

H222 Extremely flammable aerosol
H304 May be fatal if swallowed and enters airways
H340 May cause genetic defects
H350 May cause cancer

Precautionary Phrases

P301+ IF SWALLOWED:
P310 Immediately call a POISON CENTRE or doctor/physician.
P308+ IF EXPOSED OR CONCERNED:
P313 Get medical advice/attention.
P3331 DO NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container to an approved waste facility.

Other Hazards: May be harmful in contact with skin

Section 3: Composition/Information on Hazardous Ingredients

HAZARDOUS INGREDIENTS	CAS NUMBER	APPROXIMATE CONCENTRATION (%)
Petroleum Distillates	64742-89-8	80 – 90
Propane / Isobutane / N-Butane	68476-86-8	10 – 20

Section 4: First-aid Measures

<i>Inhalation:</i>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and transport to nearest medical facility for additional treatment.
<i>Ingestion:</i>	Do NOT induce vomiting. Call physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.
<i>Eye Contact:</i>	Immediately flush upper and lower eyelids with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Rest eyes for 30 minutes. If redness, burning, blurred vision or swelling persists, visit nearest medical facility for additional treatment.
<i>Skin Contact:</i>	Wash off immediately with soap and water. Do not use ointments. Wash contaminated clothing before reuse. If skin irritation persists, contact a physician.
<i>Symptoms:</i>	Treat symptomatically.

NOTE: In all severe cases, contact physician immediately. Local telephone operators can provide number of regional poison control centre.

Section 5: Fire-fighting Measures

<i>Flammable:</i>	Extremely flammable aerosol
<i>Means of Extinction:</i>	Water fog; foam; dry chemical; alcohol-resistant foam; carbon dioxide (CO ₂). Do not use a solid water stream as it may scatter and spread fire.
<i>Auto-ignition Temperature:</i>	Not available
<i>Hazardous Combustion Products:</i>	Carbon oxides
<i>Explosion Data Sensitivity to Mechanical Impact:</i>	Not available
<i>Explosion Data Sensitivity to Static Discharge:</i>	Not available
<i>Special Equipment:</i>	Not available
<i>Precautions for Fire Fighters:</i>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

<i>Protective Equipment:</i>	See Section 8
<i>Emergency Procedures:</i>	Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
<i>Leak or Spill Procedure:</i>	Ensure adequate ventilation. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Use a non-combustible inert absorbent (ie. vermiculite, sand or earth, etc.) to soak up the product and place into a container for proper disposal.

Section 7: Handling and Storage

<i>Handling Procedures and Equipment:</i>	Avoid contact with eyes. Avoid breathing vapours or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.
<i>Storage Requirements:</i>	Store in area below 120°F (49°C). Do not incinerate or burn containers. Ensure canister is in a secure place to prevent accidental puncture. Always ensure canister is capped when not in use. Keep out of the reach of children.
<i>Incompatibilities:</i>	Oxidizing agents

Section 8: Exposure Controls/Personal Protection

Exposure Limits:

HAZARDOUS INGREDIENTS	CAS NUMBER	OSHA PEL	ACGIH TLV
Ethyl Benzene	100-41-4	100 ppm	20 ppm
Benzene	71-43-2	1 ppm	0.5 ppm

<i>Engineering Controls:</i>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Showers and/or eyewash stations are recommended.
<i>Personal Protective Equipment:</i>	<u>Eyes</u> - Safety glasses with side-shields. Where eye contact could occur, chemical splash proof goggles are recommended. <u>Skin</u> - Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. <u>General Hygiene</u> - Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. Avoid breathing vapours, mist or gas.

Section 9: Physical and Chemical Properties

<i>Physical State:</i>	Aerosol
<i>Odor and Appearance:</i>	Clear colorless liquid with naphtha odor
<i>Odor Threshold (ppm):</i>	Not available
<i>pH:</i>	Neutral
<i>Melting Point:</i>	Not available
<i>Freezing Point:</i>	Not available
<i>Boiling Point:</i>	Not available
<i>Flashpoint:</i>	-141°F / -96.4°C
<i>Vapour Pressure (mm):</i>	105 psi @ 17°F / 24°C
<i>Vapour Density (Air = 1):</i>	4.1, heavier than air
<i>Percentage Volatility:</i>	100 %
<i>Upper Flammable Limit (% by volume):</i>	Not available
<i>Lower Flammable Limit (% by volume):</i>	Not available

Section 10: Stability and Reactivity

<i>Chemical Stability:</i>	Stable under recommended storage conditions
<i>Possible Hazardous Reactions:</i>	None under normal processing
<i>Conditions to Avoid:</i>	Extreme temperatures and direct sunlight
<i>Materials to Avoid (Incompatibilities):</i>	None known based on information supplied

<i>Conditions of Reactivity:</i>	Not available
<i>Hazardous Decomposition By-Products:</i>	None known
<i>Hazardous Polymerization:</i>	Does not occur

Section 11: Toxicological Information

<i>Skin Contact:</i>	Irritating to skin. Prolonged skin contact may defat or dry the skin and produce dermatitis. May cause frostbite.
<i>Skin Absorption:</i>	No
<i>Eye Contact:</i>	Irritating to eyes. Liquid or vapours may cause redness, burning, tearing, swelling and/or pain.
<i>Inhalation:</i>	Irritating to respiratory system. Avoid breathing vapors or mists. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.
<i>Ingestion:</i>	Not an expected route of exposure. Potential for asphyxiation if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<i>Effects of Acute Exposure:</i>	Not available
<i>Effects of Chronic Exposure:</i>	Not available
<i>Suggested HMIS Rating:</i>	Health [1] Flammability [4] Physical Hazard [2] Personal Protection [B]
<i>Suggested NFPA Rating:</i>	Health [1] Flammability [4] Stability [0]
<i>Irritancy of Product:</i>	Not available
<i>Sensitization to Product:</i>	Not available
<i>Carcinogenicity:</i>	There are no known carcinogenic chemicals in this product
<i>Reproductive Effects:</i>	Not available
<i>Respiratory Sensitization:</i>	Not available
<i>Toxicological Data:</i>	Not available

Section 12: Ecological Information

<i>Aquatic and Terrestrial Toxicity:</i>	Not available
<i>Persistence and Degradability:</i>	Not available
<i>Bio accumulative Potential:</i>	Not available
<i>Soil Mobility:</i>	Not available

Section 13: Disposal Considerations

NOTE: Always dispose of waste in accordance with local, provincial and federal regulations.

<i>Safe Handling:</i>	Do not re-use empty containers. This product contains one or more substances that are listed with the State of California as a hazardous waste.
<i>Methods of Disposal:</i>	Material resulting from clean-up operations may be hazardous wastes and therefore subject to local, regional and federal regulations.

Section 14: Transportation Information

<i>UN Identification Number:</i>	UN1950
<i>Proper Shipping Name:</i>	Aerosols, Flammable Limited Quantity
<i>Hazardous Class or Division:</i>	2.1
<i>Packing Group:</i>	None

Section 15: Regulatory Information

<i>Toxic Substances Control Act (TSCA):</i>	The product on this SDS, or all of its components, is listed under TSCA.
<i>SARA Title III, Section 313:</i>	The following ingredients are subject to the reporting requirements of Section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 CFR Part 372: Xylene, Mixed Isomer (1330-20-7) <0.13%; meta-Xylene (108-38-3) <0.05%; Ethylbenzene (100-41-4) <0.1%; Benzene (71-43-2) <0.005%; Toluene (108-88-3) <0.1%, Naphthalene <0.002%
<i>Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):</i>	VM&P Naphtha (64742-89-8) Reportable Quantity 66,667 lbs.
<i>California Proposition 65:</i>	This material may contain trace amounts of chemicals known to the State of California to cause cancer and/or birth defects and/or reproductive harm. The following ingredients appear of the Proposition 65 list(s): Ethyl Benzene (Carcinogen); Benzene (Carcinogen, Developmental & Male Reproductive)
<i>Pennsylvania Right to Know Information:</i>	(5 most predominant ingredients / hazardous & non-hazardous) Petroleum Distillates
<i>Canadian Workplace Hazardous Materials Information System (WHMIS):</i>	This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. WHMIS CLASS: Aerosol - A, B-5, D-2B
<i>Domestic Substances List (DSL):</i>	The product on this SDS, or all of its components, is included in the DSL.

Section 16: Other Information

<i>Preparation Date:</i>	10 June 2016
<i>Date of Last Revision:</i>	10 June 2016

This SDS format is in accordance with GHS. PowerWeld Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond the control of PowerWeld. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made.