

# RESEARCH and development...

With over 100 years of manufacturing and product development experience, the West Penetone family of companies has developed and patented a number of products designed to satisfy the needs of its numerous clients throughout the world. Whatever cleaners, degreasers or decontamination products may be required, we offer a broad range of products that meet the highest standards of safety and efficacy.

Concerned as we always are about environmental impact, we have introduced a new line of "green" cleaners and degreasers as well as super concentrated formulas for a dramatic reduction of packaging.

**Looking for a product to meet a specific need?** Our team of experts can develop products that will answer your requirements.

Implementation of chemical application procedures by our technical team allows you to carry out your cleaning operations while ensuring a safe environment.





### **United States**

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Discover our Complete line of products for the Pipeline Industry



West Penetone has over 60 years of cleaning/degreasing experience and dedicated to solving the maintenance and production cleaning needs of th pipeline industry.

## West Penetone has products for these pipeline industry needs:

## **Conversion / Contamination / Corrosion**

- Sludge
- Paraffins
- Carbon black
- Pipe varnish
- Carbonized deposits
- Tar
- Gelled oils
- Lubes
- Waste fats
- Teflon dust
- Asphaltine • Mercury • Arsenic
  - NORM
  - Benzene



Whatever your pipeline "C" problem: Conversion, Contamination or Corros we at West Penetone have a "C"leaning solution

Our complete line of chemical cleaning products including our Citrikleen line, are formulated to provide the maximum in safety and performance, outperforming conventional cleaners. The "Penetone Process" developed by West Penetone, in cooperation with major pipeline contractors, has been approved by many large pipeline companies. The "Penetone Process" provides fast and effective cleaning with proven results. Our chemical cleaning trains are designed to clean your pipelines in one pass, thus reducing manpower and downtime to get the pipeline back into service. A typical cleaning train will contain a brush pig, two cleaning batches and a rinse batch, followed by drying and purging as needed. Using our biodegradable products reduces the amount of hazardous waste generated in removing contaminants from the pipeline.

6.2	PRODUCTS	DESCRIPTION	FEATURES AND BENEFITS
s over 60 years of og experience and is og the maintenance eaning needs of the acts for these pipeline	<b>CITRIKLEEN</b> Citrus-based solvent/ degreaser	Cleans soils such as heavy grease, oil, carbonized deposits, tar and lubes. Oils and grease will float to the surface of the cleaning solution allowing for separation, removal, and ultimately a reduction in toxic waste.	<ul><li>Water emulsifiable</li><li>Reduces toxic wastes</li><li>Economical since it is water dilutable</li></ul>
	<b>CITRIKLEEN HD</b> Citrus-based heavy-duty solvent/degreaser	Cleans soils such as grease, carbon, solidified grease, gelled oils, specialty lubes, teflon dust, pipe varnish, tube turn coating, chloride salt and iron sulfide. It is water emulsifiable which allows its use in water solution and is easily rinsable.	<ul> <li>Biodegradable</li> <li>Highly concentrated</li> <li>Contains no petroleum distillates or chlorinated solvent</li> <li>Non-corrosive on most metals</li> </ul>
ion /Corrosion • Solidified grease • Tube turn coating • PCB's • Silicon • Iron sulfide • Asphaltine • Mercury • Arsenic • NORM • Benzene • WORM • Benzene	<b>CITRIKLEEN XPC</b> Citrus-based solvent/ degreaser	Heavy duty natural biodegradable solvent. It is an emulsifiable solvent and can be mixed and rinsed with water.	<ul> <li>Free of petroleum by-products</li> <li>Non-corrosive on metals</li> <li>Freeze point &lt; -40°C</li> <li>Removes paraffin, asphaltine and petroleum complexes</li> </ul>
	<b>POWER</b> <b>CLEANER 155</b> Liquid alkaline "PCB" cleaner	Highly concentrated liquid alkaline used to clean difficult PCB's and is highly effective for removing grease, oil and grime quickly and safely.	<ul> <li>Not photochemically reactive</li> <li>No SARA 313 reportables/No Prop 65 substances</li> <li>Odorless</li> <li>Biodegradable</li> </ul>
	<b>WEDAC</b> Foaming acid cleaner	<b>Wedac</b> is a high foaming acid cleaner. It is designed to remove scale, rust, restore oxidized aluminum surfaces and prime metallic surfaces for painting.	<ul> <li>Water dilutable</li> <li>Mild odor</li> <li>Easily rinsable</li> <li>High viscosity allows a longer contact time</li> </ul>
	<b>PL998</b> Corrosion cleaner	<b>PL-998</b> is a versatile acid based cleaner possessing heavy duty detergent properties and powerful acid metal conditioners. <b>PL-998</b> is used in both production and maintenance applications.	<ul> <li>Excellent detergency</li> <li>Non-fuming acid</li> <li>Removes heat scale</li> <li>Highly concentrated</li> <li>Effective on tough soils</li> </ul>
	<b>SLIX</b> Heavy-duty surfactant cleaner	Surfactant-based chemical cleaner designed to clean crude oil type soils and organic compounds from pipelines. Used in a pigging train with mechanical brushes and swab pigs. By using <b>Slix</b> , you will reduce the amount of hazardous waste generated on the receiving end.	<ul> <li>Bidegradable phosphate-free</li> <li>No odor</li> <li>Removes crude oil</li> <li>Cleans heavy deposits</li> <li>Chemically cleans in one pass</li> <li>Saves time, manpower, energy and money in getting a pipeline ready for smart pigging</li> </ul>



Our highly trained staff will analyze your process and recommend just the right product to solve your cleaning needs. We'll then provide on-going technical support to make sure you get the most out of our products.

See our pipeline cleaning video on our web site at www.penetone.com