



A LLEGHENY PETROLEUM PRODUCTS CO. METALWORKING FLUIDS

AN ISO 9001:2008 CERTIFIED COMPANY

Metalworking Fluids



- Soluble Oils
- Cutting Oils
- Semi-Synthetics/Synthetics
- Rust Preventatives
- Cleaners

Metalworking Fluids



Product Name	Soluble Oils
Altra Soluble AP	Premium quality soluble oil recommended for a wide range of metalworking applications including; stamping, turning, cutting and grinding steels, drilling, boring and milling.
Altra Soluble HD 210	Heavy duty biostable soluble oil formulated to offer outstanding performance in difficult machining and grinding operations including hard to work metals such as stainless steel, tool steels and high nickel alloys.
Altracut 1000	A medium to heavy duty biostable soluble oil. Developed without chlorine for the machining and grinding of all metals except magnesium.

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Metalworking Fluids



Product Name	Straight Mineral Oil Cutting Fluids - Active
Altracut 157SC	Dark colored active cutting oil containing sulfur, chlorine and fat. These components make this product suitable for a wide range of ferrous metalworking applications where high speeds, smooth finishes and long tool life are important.
Altracut 174SC	Dark colored active cutting oil containing sulfur, chlorine and synthetic fatty additive. These components make this product suitable for a wide range of ferrous metalworking applications where high speeds, smooth finishes and long tool life are important.
Altracut 190SCF	A general purpose cutting oil for use with carbon steels and alloy steels. It contains active sulfur and is chlorine free.
Altracut W	Extreme pressure, high lubricity, sulfurized metalworking fluid designed for moderate to severe machining operations. It provides excellent cooling and lubricating properties including dimensional accuracy in surface finishes. This product is well suited for high stock removal of ferrous metals requiring high sulfur content and is formulated by using high quality virgin hydro-treated base stocks.
Altracut 612SC Gun Drill Oil	A light viscosity, specially compounded oil. It is formulated to maintain fine finishes, to hold size and to lengthen carbide drill life. Constant controlled pressure with light viscosity oil will prevent chattering and insure fast chip clearing.

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Product Name	Straight Mineral Oil Cutting Fluids - Inactive
Altracut 60NC	A cutting oil made from select high refined, severely hydro-treated base stocks. This oil contains no additives and is mainly used to cut aluminum, free machining brass and some free cutting steels.
Altra Clearcut 122C	A multi-use, light colored inactive cutting oil based on chlorine, paraffinic base oils and fatty components. Suitable for a wide range of light to moderate machining of ferrous and nonferrous metals. It's light color resists stains. Altra Clearcut 122C is a good choice for light duty machining of aluminum, steel, brass and other metals.
Altracut 158C	A dark colored inactive cutting oil containing sulfur, chlorine and fat. Suitable for a wide range of ferrous metalworking applications where anti-weld and EP properties are required, but where active sulfur is not desirable. It is a good choice for the toughest inactive oil requirements for steels with 50-60% machinability.
Altracut 161C	A tri-purpose, light colored cutting oil. It can also be used as a machine tool lubricant and hydraulic fluid. The non-staining feature of Altracut 161C makes it ideal for use in the machining of copper, but it can also be used for most steel alloys where machinability ratings range from light to moderately severe. It is an ideal choice in automatic machine tools where leakage from one system to another may cause problems.
Altracut 218C	A non-staining, anti-misting heavy duty cutting oil. It contains antiweld and lubricity agents to meet the most severe machining operations. Has non-staining properties which allow its use in splash, hydraulic or spindle lubrication systems and is ideal for use on copper and its alloys.

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Product Name	Honing Oils
Honing Oil 5	A low viscosity, transparent fluid used in a wide variety of honing operations. It contains 5% fatty oil making it ideal for operations requiring a superior finish. Also provides a high degree of cooling.
Honing Oil 10	A low viscosity, transparent fluid used in a wide variety of honing operations. It contains 10% fatty oil making it ideal for operations requiring a superior finish. Also provides a high degree of cooling.
Honing Oil PBD-021	A specially formulated product designed for a variety of honing operations. It is fortified with a sulfurized fat additive system to enhance lubricity and reduce wear. The fatty oil content of this product and the additive system make it suitable for moderately severe applications. It also provides a high degree of cooling and excellent surface finish. Can be used in most honing and grinding operations.
Honing Oil 60	A fluid used in a wide variety of honing operations. It contains sulfurized fatty oil. This product is free cutting without loading the stones and provides a high degree of cooling.

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Product Name	Semi-Synthetics
Altracut 502	A semi-synthetic general purpose metalworking coolant containing approximately 10% mineral oil. When diluted with water, this product forms a translucent amber emulsion which offers excellent workpiece visibility, good lubricity and superior cooling. Designed for the machining and grinding of virtually all metals, except magnesium, and is formulated without chlorine. Useful for CNC milling, turning, drilling, tapping and grinding.
Altracut 595	Combines the superior chemical flexibility of synthetics with 15% mineral oil for corrosion protection and lubrication. This product has exceptional foam control, hard water stability and tramp oil rejection while providing outstanding lubricity for machining and grinding. Designed for the machining and grinding of virtually all metals, except magnesium, and is formulated without chlorine. Useful for CNC milling, turning, drilling, tapping, grinding and sawing.
Altracut 2000C	A semi-synthetic, biostable, general purpose metalworking coolant containing approximately 20% mineral oil. When diluted with water, this product forms a translucent amber emulsion which offers excellent workpiece visibility, good lubricity and superior cooling.
Altracut High Pressure EP	Combines the superior chemical flexibility of synthetics with 15% mineral oil and a chlorinated extreme-pressure additive. This product has exceptional foam control, hard water stability and tramp oil rejection while providing outstanding lubricity for machining and grinding. Not recommended for use on magnesium.

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Product Name	Rust Preventatives
Altra RP 3WD	All purpose penetrating oil and rust preventative that is exceptionally stable in wet conditions. It provides rapid displacement and separation of water and leaves and excellent thin film protection. Designed for use where there is alkaline, acid or solvent emulsion rinse water left on parts.
Altra RP 10WD	An oil based all purpose rust preventative that is exceptionally stable in wet conditions. It provides rapid displacement and separation of water and leaves and excellent thin film protection. Meets the requirement of Federal Specification VV-L-800A and Military Specification MIL-63460-70.
Altra RP 6045	A liquid rust preventative which is used to provide long term protection of metal surfaces. The residual film, after solvent evaporation, is highly resistant to salt water and salt spray making it useful in all long term rustproofing applications. It is ideally suited for industrial usage where ease of application is desirable.
Altra Steelcote RP3	An all purpose penetrating oil and rust preventative that is exceptionally stable in wet conditions. It provides rapid displacement and separation of water and leaves and excellent film protection after either machining or alkali cleaning. It is non-staining and will provide rust protection for moderate periods in humidity cabinet testing. Acts as a lubricant and a penetrant where there is alkaline, acid or solvent emulsion rinse water left on parts.

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Product Name	Synthetic Fluids
Altrasyn 730 Altrasyn 751 Altrasyn 754	Heavy duty oil-free synthetic cutting and grinding fluid concentrates designed to offer outstanding machining performance as well as excellent corrosion control on machinery and workpieces while providing a long sump life. May be used on a variety of metals including steels, cast iron and aluminum. Should not be used to machine magnesium. These products are completely oil free and may be used in most coolant mist units for machining and grinding operations.
Altrasyn AF	Heavy duty amine-free synthetic cutting and grinding fluid concentrate, designed to offer outstanding lubricity as well as excellent corrosion control on machinery and workpieces while providing a long sump life. Designed to provide cooling, lubrication and corrosion protection on operations that require an amine-free product or because of waste stream restrictions on amines. Should not be used to machine magnesium. This product is completely oil free and may be used in most coolant mist units for machining and grinding operations.
Altracool 751	Full synthetic, medium duty cutting and grinding fluid formulated for all types of metals and alloys. This product is oil rejecting and low foaming and is fortified against bacteria and fungal growth. In addition, it has good hard water stability and excellent corrosion protection.
Altracool 752	Full synthetic, high performance cutting and grinding fluid. It outperforms typical synthetic coolants providing superior resistance to rancidity, low foam and excellent rust protection for both machine and parts 'in process'.

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Product Name	Quench Oils
Altra Superquench 10	Recommended for operating conditions that require a super high speed quenching oil to develop maximum hardness and minimum distortion. This product has a high flash point and it's low viscosity results in a low drag-out rate. In addition, it exhibits superior thermal and oxidation stability when compared to competitive quench oils.
Altra Quench 12	Recommended where high speed is required with high flash point and excellent thermal and oxidation stability are necessary.
Altra Quench 16	Conventional quench oil that has a good cooling rate. It's inherent detergent dispersant qualities greatly aid in the maintenance of coolers.
Altra Quench M	Quenching oil that allows uniform hardening of steel, improves grain structure of steel and achieves long service life. Recommended for the production of hard parts when distortion of the quench parts cannot be tolerated. This product provides controlled hardness, rust and corrosion protection, oxidation inhibition and heat dissipation.
Altra Quench A	Premium quality, nonflammable, polymeric quenchant fluid. It is completely soluble in water and will provide a clear solution when mixed. Can be used with carbon steel and alloy steel that is heat treated by flames, induction and submerged induction heating. Can also be used on wrought, case and forged aluminum alloys. It is compatible with batch and continuous furnace operations with gas-fired and carburizing-carbonitriding atmospheres.

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Product Name	Cleaners
AltraClean 1000	A water based machine and parts cleaner. It is a low foam alkaline cleaner designed to remove process oils, gummy deposits of oil, grease, swarf and normal shop soils from machine tools, floors and other hard surfaces. It combines organic and mineral alkalinity builders, detergents, water conditioners and deodorizers for optimum performance. For use in cleaning machine tool coolant sumps and surfaces. It can also be used for general shop cleaning with mop and bucket, auto-scrubber or spray washer.
Altra Green Kleen	A high performance cleaner and degreaser composed for 100% active ingredients proven to be effective and excellent for removing heavy deposits of grease, oil, stubborn soil, incrustated dirt, smoke, light carbon and much more. It is non-hazardous and 100% environmentally safe.
Altra Green Kleen Non-Slip	Slip-resistant maintainer, neutral cleaner and polish. Manufactured from pure vegetable soaps and top quality natural pine oils. Using this product as directed will reduce scuff marks, salt erosion and physical injuries caused by slippery floors. Cleans and leaves a micro-coating on the floors finished surface which does not build up, discolor or powder.

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