



SP-220



Parts Cleaner Concentrate

SP-220 is a liquid detergent and corrosion inhibitor formulated specifically for use in cleaning polished machined steel parts. Designed for use in high pressure spray washers on camshaft and crankshaft lines, SP-220 leaves no solid residues which can interfere with electronic gauging operations, no water spots which can interfere with visual checks. The evaporation residue from SP-220 is a clear, mobile liquid.

SP-220 is normally used in high pressure spray washers at ambient temperatures and a concentration of 2 to 4% by volume. Under these conditions, SP-220 will readily remove coolants and machining and honing oils, and will not foam. Solutions of SP-220 reject oil, leading to enhanced washer cleanliness and extended solution life. Adequate rust protection for normal in-plant storage and processing is provided. SP-220 can be used at elevated temperatures and higher concentrations if necessary for enhanced cleaning and corrosion protection.

SP-220 is ashless, making it ideal for use in washers prior to heat-treat ovens. It will leave no deposits on oven bricks, or on elements in electric ovens.

SP-220 is formulated from organic soaps and is prepared using deionized water. It contains no phosphates or other inorganic salts, and contains no chelating agents, including EDTA, or dyes which can interfere with waste treatment. It contains no nonionic surfactants or solvents, and is readily waste-treatable. It requires no special precautions in its handling and use.

TYPICAL PROPERTIES:

Appearance:	Clear liquid
Odor:	Chemical
pH (Concentrate)	10.6
pH (3%)	10.1
Specific Gravity:	1.02
Density:	8.5 pounds/gallon
Foam Character:	Low

AUTOMOTIVE APPROVALS:

DaimlerChrysler	NPM 12-260-2826
Ford	Tox# 136355
GM (Plant specific)	FID 900088

Rev. 10/05

WARRANTY:

Producto Chemicals will grant credit on any product which proves defective in material or workmanship as determined by us subject to the following conditions: all material is subject to our inspection prior to issuing credit; any refund will be adjusted based on the volume of product used; no credit will be granted for used or unused product(s) over one year old as determined by the batch number; no credit will be granted for product placed or stored in a bulk storage tank, mixed with other material or batches in a bulk storage tank or for any material not in original container. The terms in this warranty do not in any way extend to any product thereof covered by this agreement, which has a life, under normal usage, inherently shorter than the one-year period indicated above. Except as set forth expressly in writing herein, there are no other warranties express or implied in respect of any product.

No warranty of merchantability or fitness for purpose shall apply.

LIMITATION OF LIABILITY:

Under no circumstances shall we or any affiliate of ours have any liability whatsoever for loss of use or for any indirect or consequential damages.



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