

OZONIC® 117 / 140 / 155 / 203

GENERAL DESCRIPTION

The Ozonic series of cleaning solvents have been developed as a suitable alternative to chlorinated solvents, such as Trichloroethylene and Trichloroethane 1,1,1. Ozonics are free of chlorine and ozone depleting chemicals.

The Ozonic series is an excellent choice when the maximum cleaning efficiency is required. They provide an excellent alternative to aqueous or semi-aqueous solutions. This series is chemically engineered to dissolve common fat, oils and grease that are used in the metalcutting and metalforming industries while being mild to the skin due to the fact that they do not de-fat the skin like most solvents. In addition, they have low odor and are considered to have minimal toxicity.

APPLICATION

There are four grades of Ozonics to satisfy the typical chemical and physical characteristics that are required for such non-aqueous based cleaning systems.

Ozonic 117 is formulated for the toughest residue removal. It has the lowest flash point in the series.

Ozonic 140 is formulated for general purpose cleaning and is highly desired in distillation equipment.

Ozonic 155 is formulated for general purpose cleaning and has a well accepted flash point for added safety.

Ozonic 203 is especially good for machine tool flushing where machine lubricant residues such as varnishes and oxidized oils are a problem. Ozonic 203 is 100% compatible with our Hard Cut and CC series and can be used in a closed, 0% loss, cleaning system.

Dip Tanks: All of the Ozonics are suitable for multiple dip tank systems.

The following is the recommended procedure:

Tank 1	Wash	Ozonic	68°- 104°F / 20°- 40°C	***Ozonic 117 has the fastest dry time (15 minutes) and is the most suitable for the lowest Non-volatile Residue values and requirements.
Tank 2	Wash	Ozonic	68°- 104°F / 20°- 40°C	
Tank 3	Rinse	Ozonic	68°- 104°F / 20°- 40°C	
Tank 4	Rinse	Ozonic	68°- 104°F / 20°- 40°C	

Tank Side: Ozonic 203 is most commonly used for tank side parts cleaning due to its 100% compatibility with our Hard Cut and CC series. Once soiled with a Hard Cut or CC small quantities can be added to the machine using the corresponding Hard Cut or CC without negatively affecting the Hard Cut or CC performance.

MAINTENANCE

The Ozonic series is recyclable by means of decantation, distillation and micro-filtration. Micro-filtration is the most common method used to recycle Ozonics. This fine filtration process will remove the insoluble contaminants such as carbon, dirt, dust, etc. For optimal residue removal, virgin Ozonic should be used for the final rinse.

PRODUCT CHARACTERISTICS				
Ozonic	117	140	155	203
Form	Liquid	Liquid	Liquid	Liquid
Color	Colorless	Colorless	Colorless	Colorless
Odor	Bland	Bland	Bland	Bland
Specific Gravity	0.76	0.76	0.76	0.76
Viscosity: SUS @ 100°F	22	32	32.3	33.5
cSt @ 40°C	1.4	1.7	1.9	2.2
Flash Point, COC, °F/°C	149 / 65	170 / 76	170 / 76	230 / 110
Fire Point, COC, °F/°C	158 / 70	175 / 79	175 / 79	250 / 121
Pour Point, °F/°C	<0 / -18	7 / -14	14 / -10	25 / -4
Solubility in Water	<0.01%	<0.01%	<0.01%	<0.01%
Boiling Point, °F/°C	349 / 176	280 / 137	289 / 143	430 / 221
Vapor Pressure, mm Hg @ 25°	1.0	1.0	<1.0	<0.1
pH @ 10%	N/A	N/A	N/A	N/A
VOC	100%	100%	100%	100%

SHIPPING UNITS

Ozonic 117, 140, 155 and 203 are available in 5 gallon, 55 gallon and Intermediate Bulk Containers (275 or 330 gallons). All products are distributed worldwide.

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