



Master STAGES™ CLEAN IP 2019s

Silicated Low-foam Cleaner

GENERAL DESCRIPTION

Master STAGES™ CLEAN IP 2019s is a very low-foaming, liquid, cleaning concentrate designed to remove straight oils and coolants from steel, cast iron, and most aluminum parts.

ADVANTAGES

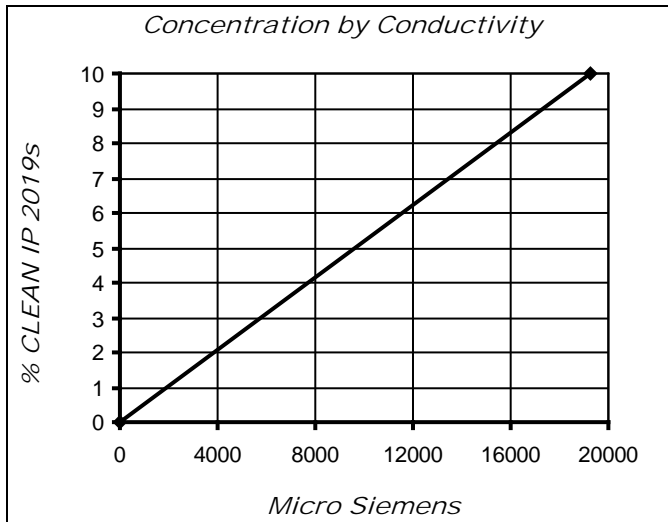
- An excellent cleaner and very economical to use
- Compatible with aluminum, magnesium, cast iron, and steel alloys
- Rejects oil for easy skimming or centrifuging to extend bath life
- Nonfoaming at high-pressure in a spray washer and vibratory deburring machines even at room temperature
- Provides flash corrosion inhibition and up to two weeks of short-term, dry, in-process corrosion inhibition

APPLICATION GUIDELINES

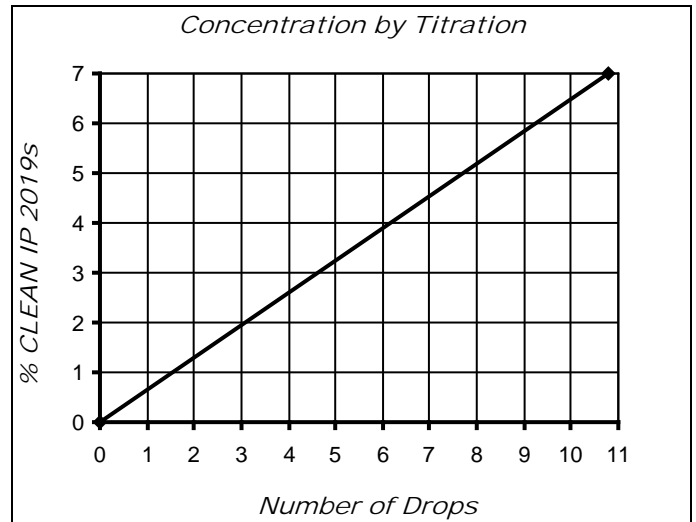
- CLEAN IP 2019s is suitable for high-pressure spray washers operating from 70°F (21°C) up to 140°F (60°C).
- Starting concentration is from 2%-4%, depending on temperature, soil type, and time in the wash zone.
- In most cases, the washing solution should be rinsed off before it dries. This is particularly true at high concentrations.
- For additional product applications information including performance optimization, please contact your Master Chemical Authorized Distributor at 2trim.us/distributors.php, your District Sales Manager, the Tech Line at 1-800-537-3365, or visit our web site at www.master-stages.com.

PHYSICAL PROPERTIES (TYPICAL DATA)

Color (concentrate).....	Light yellow	Flash Point (concentrate).....	Nonflammable (COC)
Color (working solution).....	Light yellow	pH (Typical Operating as a range)	11.0-12.2
Odor.....	Mild	Conductivity Factor00052
Form	Liquid	Titration Factor (CL-1 Titration Kit).....	0.65



% Concentration = Conductivity in Micro Siemens x Factor
 Conductivity Factor = .00052



% Concentration = No. of Drops x Titration Factor
 Titration Factor = 0.65 one vial

CHECKING CONCENTRATION

CLEAN IP 2019s concentration may be checked by titration for working solutions. Only fresh charges may be checked by refractometer.

TITRATION

Use Master STAGES Titration Kit CL-1, Indicator A, and one vial of working solution.

Drops of Acid	4-5	6	7-8	9-10	11
CLEAN IP 2019s	3%	4%	5%	6%	7%

Titration Formula: Drops of Acid x 0.65 = % Concentration of CLEAN IP 2019s

MIXING INSTRUCTIONS

The recommended use concentration of CLEAN IP 2019s is 2%-7% in water. No special mixing procedures are required. Add the required amount of concentrate to the required amount of water and stir until uniformly mixed.

HEALTH & SAFETY

See the most recent SDS at 2trim.us/s/?i=1290-en-US-US.



NOTES

- Packaging: North America – 1-gallon jug, 5-gallon pail, 54-gallon drum, and 270-gallon tote bin.
- Packaging: Europe/Asia – 20-litre pail, 204-litre drum, and 1000-litre IBC.

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