

CHEMTRONICS

Technical Data Sheet

TDS # ES2291

Max-Kleen™ Citrus HF

The high flashpoint citrus degreaser

PRODUCT DESCRIPTION

Max-Kleen™ Citrus HF Degreaser is ideal for removal of all types of soils including oxidized grease, sludge, wax, tar and oil. The moderate evaporation rate increases the cleaning power for hard-to-remove soils. The low surface tension provides for superior wetting to clean in even the tightest spots. Max-Kleen™ Citrus HF Degreaser has a flash point greater than 140° F which may be advantageous when planning for disposal of used rags.

- Citrus-based formula with moderate evaporation rate
- Quickly removes all types of tough soils including oxidized oil and grease
- Safe for use on most metals and plastics
- VOC compliant degreaser
- Flashpoint greater than 140° F
- Non-corrosive and nonconductive
- Low Toxicity
- Leaves no residue

TYPICAL APPLICATIONS

Max-Kleen™ Citrus HF Degreaser can be used for all repair, maintenance, and manufacturing applications including:

- Removes grease, oil and lubricants
- Ideal for metal parts cleaning and tools
- All repair and maintenance cleaning
- Cleans contacts, relays, switches, circuit breakers and test probes
- Cleans electric motors and gasoline engines
- Removes tough soils from gears and pulleys
- Use for maintenance of air compressors
- Cleans inks and residues from printing presses

TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

Evaporation Rate (butyl acetate=1)	<1	
Specific Gravity	0.78	
Vapor Pressure @68°F	<1.0 mmHg	
Appearance	Clear, colorless liquid	
Odor	Mild Citrus	
Solubility in Water	Negligible	
Kauri-Butanol (KB) Number	45	
VOC* Content:	<u>Aerosol</u>	<u>Liquid</u>
CARB	50%	4 %
SCAQMD	390 g/L	31 g/L
Federal	50%	4%
Shelflife	Aerosols	5 years
	Liquids	2 years after opening

*Volatile Organic Compound (VOC) information is calculated on a weight basis using the VOC definition of California Air Resources Board (CARB) Consumer Product Regulations, South Coast Air Quality Management District (SCAQMD) Rule 102 and the Federal definition published in 40 CFR 51.100(s).

COMPATIBILITY

Max-Kleen™ Citrus HF Degreaser is compatible with most metals and plastics. As with any solvent, compatibility with substrate should be determined on a non-critical area prior to use.

Compatibility

ABS	Good
Buna-N	Good
EPDM	Fair
Graphite	Excellent
HDPE	Excellent
PVDF	Excellent
LDPE	Good
Lexan™	Good
Neoprene	Good
Noryl®	Excellent
Nylon™ 66	Excellent
Polycarbonate	Good
Polypropylene	Good
Polystyrene	Fair
PVC	Fair
Silicone Rubber	Fair
Teflon™	Excellent
Viton™	Excellent

USAGE INSTRUCTIONS

Read MSDS carefully prior to use.

Spray 4-6 inches from surface to clean. Wash parts from top to bottom, allowing the liquid to flush away dirt and dissolved grease. For precise application use attached extension tube.

For wipe applications, wet a Controlwipes™ Wipe with Max-Kleen™ Citrus HF Degreaser and wipe away soils.

ENVIRONMENTAL IMPACT DATA

HCFC-141b	None	HFC	None
HCFC-225	None	nPB	None

Hydrochlorofluorocarbons (HCFCs) are regulated under the Montreal Protocol as Class II ozone depleting substances. HCFC-141b is no longer produced in the US under this legislation. HCFC-225 is planned for production phase-out in 2015. Hydrofluorocarbons (HFCs) are not currently regulated.

EPA has listed n-propyl bromide (nPB) as an acceptable alternative to ozone depleting substances in metal, precision, and electronics cleaning under Section 612 of the Clean Air Act.

AVAILABILITY

ES2291	13.5 oz aerosol
ES191	1 gallon liquid
ES591	5 gallon liquid
ES5591	53 gallon liquid

TECHNICAL & APPLICATION ASSISTANCE

Chemtronics provides a technical hotline to answer your technical and application related questions.

The toll free number is:

1-800-TECH-401.

NOTE:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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