



CITRIKLEEN HD

BIODEGRADABLE NATURAL SOLVENT CARBON REMOVER AND DEGREASER

Canada Patent: 1,222,425

FEATURES AND BENEFITS

Features

- Biodegradable
- Non-toxic
- Non-petroleum
- Non-chlorinated
- Heavy-duty cleaner

Benefits

- Reduces hazardous waste
- Improves worker safety
- Improves aircraft appearance
- Reduces man-hour requirements
- Non-corrosive to aerospace metals
- Reduces cleaning cost

DESCRIPTION

CITRIKLEEN HD is a cold carbon remover free of phenol, cresylic, acid, chromate and caustic soda. **CITRIKLEEN HD** is a patented blend of a natural hydrocarbon solvent (non-petroleum), carbon removers and surfactants specifically formulated to dislodge and reduce carbonaceous soils, gelled oils and grease masses into easily rinsed particles to leave a clean surface. **CITRIKLEEN HD** can be used to clean aircraft wheels, jet engine parts and aerospace ground equipment, replacing several cleaners and degreasers with a single product.

CITRIKLEEN HD is also an effective parts washing solvent for use in manual parts washers. **CITRIKLEEN HD** doesn't require heating. Permitted to stand, oils and greases will rise to the top of the tank and may be skimmed off. **CITRIKLEEN HD** is able to perform heavy duty to light duty cleaning by varying the dilution/concentration ratio simply by adding water.

DIRECTIONS FOR USE

CITRIKLEEN HD may be used concentrated at ambient temperatures in immersion tanks, or at various dilution rates with water, depending on soil conditions.

SOIL	WATER DILUTION	IMMERSION TIME
Grease & Carbon		
Light-	1:4 to 1:20	30 minutes
Moderate-	1:2 to 1:10	1 to 3 hours
Heavy-	1:1 to 1:2	4 hours
Solidified Greases	1:1 to 1:2	1 to 4 hours, depending on severity of soil. Some agitation may be necessary
Gelled Oils	1:1 to 1:5	30 to 90 minutes, Mild agitation will reduce tank time.
Aircraft Surface Cleaning	1:10 to 1:30	Spray or foam on, rinse
Aircraft Spot Cleaner	1:2 to 1:4	Spray on, wipe off

SEE REVERSE SIDE

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METAL SAFETY: 3 X 6 panels were solvent wiped, weighed and immersed in cleaner to a depth of 43 inches. The panels were soaked for four hours at 77°F, removed and weighed. Weight loss is in mg per square inch.

CAUTION: Do not heat above 50°C

	<u>Concentrate CITRIKLEEN HD</u>	<u>2 parts water to 1 part CITRIKLEEN HD</u>
Aluminum	0.01	0.07
Magnesium	0.1	0.3

CITRIKLEEN HD is considered non-corrosive to aerospace metals in maintenance cleaning operations.

PHYSICAL PROPERTIES			
Appearance:	clear amber liquid	Auto Ignition Temperature:	not available
Odor:	pine-citrus	Chlorine:	none
Specific Gravity @ 20°C :	0.97	Boiling Point:	approx. 100°C
Viscosity:	moderate	Freezing Point:	not available
pH:	11.0	Foaming Tendency:	moderate
Flash Point (TCC):	52 °C	Concentration Monitoring Techniques:	refractive index
Phosphorus:	none	Rinsability:	excellent
Water solubility:	excellent		

IMPORTANT: Before using CITRIKLEEN HD, always be sure to read and follow precautions and directions for use appearing on the product container label and on the material safety data sheet (m.s.d.s.).

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