



HURRISAFE
EXTERIOR SURFACE
CLEANER

8015 (HK-188)

NSN 6850-01-373-6682

NSN 6850-01-373-5865

Is a concentrated aircraft and helicopter cleaner for the removal of soils from painted and unpainted surfaces.

HURRISAFE will remove carbonaceous soils including exhaust deposits, oily soot and other oxidized organic fluids associated with jet engine and helicopter operations.

Certified to McDonnell Douglas CSD #1.

HURRISAFE EXTERIOR SURFACE CLEANER is a safe, readily-biodegradable (USEPA 796.3200), water-based, non-flammable, non-toxic, cleaner with no harmful fumes. **HURRISAFE** will not cause damage to tarmac or cause ground contamination from the spent cleaner. This formula is a superior cleaner that rinses free without leaving a residue or film. *Contains no caustics and is terpene free.*

DIRECTIONS FOR USE ON PAINTED AND UNPAINTED SURFACES:

Recommended Dilutions	
SOIL (type)	DILUTION (in water)
Light Soil:	1:8

Medium Soil 1:5

Heavy Soil 1:3

Apply the solution by spraying,

mop, sponge, brush or foam generator. Allow to remain on the surface up to 5 minutes and agitate with a brush or mop. Rinse thoroughly with copious amounts of water. **Do Not Allow Cleaner To Dry Before Rinsing, As Less Effective Cleaning Will Result.**

DIRECTIONS FOR USE ON EXHAUST TRACK AND ROCKET BLAST AREAS:

Dilute one part cleaning compound with three parts water for heavy duty cleaning of these areas. Apply cleaner by spray, mop, sponge or brush. Allow cleaner to remain on surface 5 to 10 minutes. Scrub with mop or brush. Rinse thoroughly with water. Dilution range limits should be 1:3 to 1:8.

DIRECTIONS FOR USE ON HELICOPTER CLEANING

Recommended Dilution's	
SOIL (type)	DILUTION (in water)
Light Soil: dirt	1:8
Medium Soil	1:5
Heavy Soil	1:3

Using a single station multi-dilution proportioning system preset at the recommended dilution, insures correct dilution at all times. Apply diluted cleaner by spray, mop, sponge or brush or foam generator.

By Spray: Using a low pressure sprayer set at a dilution 1:8 spray helicopter surface, allow to remain on surface for up to 5 minutes, **DO NOT ALLOW TO DRY**, follow by a thorough spray rinse. Repeat if necessary.

By Mop: fill a bucket with the recommended dilution and

apply to helicopter using a cotton or sponge mop, allow to remain on surface for up to five minutes, **DO NOT ALLOW TO DRY**, follow by a thorough rinsing with a hose.

By Brush: fill a bucket with the recommended dilution and apply to helicopter using a soft brush, allow to remain on surface for up to five minutes, **DO NOT ALLOW TO DRY**, follow by a thorough rinsing with a hose.

By Foam Generator: Rinse helicopter on all areas to be cleaned. Apply cleaner diluted 1:8 by foam generator and allow to remain on surface up to 5 minutes, **DO NOT ALLOW TO DRY**, scrub with brush or mop. Rinse thoroughly with stream of water.

After exterior cleaning is complete, clean Plexiglas windows using a Plexiglas cleaner such as HURRISAFE 8065 Plexiglas cleaner to prevent streaking.

.SPECIFICATIONS

Flash Point	None
Solubility in water	100%
Biodegradability	100%
Specific Gravity	1.03
pH Of Concentrate	12.4
pH Of Ready To Use	11.4
Density	8.38
	Lbs/Per Gallon
Boiling Point	212 F
VOC'S of Dilution	< 2%
Surface Tension	32
	dynes/cm

TECHNICAL ASSISTANCE

CALL: BOBBIE PETTIT
 (301) 581-9700
 (301) 581-2519 fax



APPENDIX A

FIELD CLEANING HELICOPTERS : To clean helicopters in the field where there is only access to a water spigot, it is recommended that a proportioner be used. The proportioner can be hooked up to the water spigot and directly into the drum of **HURRISAFE 8015**. The proportioner can then be set at the correct dilution ration of 1 gallon of cleaner to 8 gallons of water for light soil, 1 gallon of cleaner to 5 gallons of water for medium soil and 1 gallon of cleaner to 3 gallons of water for heavy soil.

Once the proportioner is set at the correct dilution this allows the operator to fill a bucket with the correct dilution of cleaner and water and eliminates the problem of trying to measure the correct amount of cleaner in the field. This also allows for control of the proper amount of cleaner being used and eliminates using too much or too little of the cleaner.

Once the diluted solution is prepared, the helicopter can then be clean by using several manual procedures including:

- * SPRAY
- * MOP
- * SPONGE
- * BRUSH
- * USE OF A FOAM GENERATOR.

Refer to the 8015 product specification sheet under directions for the exact procedures.

DIRECTIONS FOR READY TO USE SPRAY ON WIPE OFF CLEANING:

Dilute **HURRISAFE 8015** as follows into trigger spray bottle:

Light Soils	12:1 with water	Removing fingerprints, light soils and dust
Medium soils	8:1 with water	Removing dirt, oils, grease, carbon and boot marks
Heavy Soils	3:1 with water	removing heavy oil, grease, and baked on carbon deposits

- 1 Spray area to be cleaned with a light mist insuring that you are saturating the entire area using Hurrisafe ready to use 8015.
- 2 Wipe the same area dry with a clean dry cloth to remove all the loosened dirt and promote quick drying. Rinsing is not necessary.
- 3 Repeat steps 1 through 2 if necessary until the surface is clean.