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HAUTHANE HD-2333

DESCRIPTION: *Co-solvent free, soft, flame-retardant, aliphatic, water-borne polyurethane dispersion.*

SUGGESTED USES: *HD-2333 was designed for use as a coating or finish for synthetic textile fabrics that must have permanent flame-retardancy (FR). This unique urethane dispersion is manufactured at high solids and without the use of solvent. Low add-on levels of HD-2333 will enable synthetic fabrics to pass various FR tests including NFPA-701, MVSS-302 and others. HD-2333 is well suited for use in textile coatings, such as automotive upholstery, that require outstanding strength and flame-retardancy without the use of antimony-oxide/decabrome chemistry. Using HD-2333, a coating can be formulated to pass MVSS-302 and maintain required strength properties at a much lower coating weight than conventional coatings. This results in a much softer hand and possible cost savings. The high solids and solvent-free nature of HD-2333 make it a very cost effective urethane.*

CHARACTERISTICS: *Co-solvent free and high solids
Permanent, non-leaching flame-retardancy
Soft, tough, flexible, dry film
Excellent UV resistance
Excellent low temperature flexibility and crack resistance*

APPLICATION: *Spray or pad -- solids may be adjusted for optimum add-on.
May be thickened with HA-900 for knife coating.*

CURING: *Excellent strength properties as supplied. Melamine-formaldehyde crosslinkers, such as HA-808 (3 - 6 phr), will provide improved performance.*

PHYSICAL PROPERTIES

SOLIDS:	45.0%
VISCOSITY:	50-500 cps
pH:	6.5-9.5
SPECIFIC GRAVITY:	8.8 lb/gal
MELTING POINT:	320 °F
V.O.C. (weight % as supplied):	0.8%

TENSILE PROPERTIES

	(Tested at 20 inches/minute)
ELONGATION:	560 %
ULT. TENS. STR.	3,500 psi
100% MODULUS:	560 psi
200% MODULUS:	720 psi
300% MODULUS:	880 psi