



CONSERVATION BY DESIGN LIMITED

Timecare Works
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TECHNICAL INFORMATION SHEET

Cellugel (903-16)

Product Name

Cellugel (903-16)

General Description

A mixture of a low molecular weight hydroxypropylcellulose (one of many cellulose ethers) and isopropanol (Isopropyl Alcohol: 80-97%).

Instructions for use

Cellugel is best applied with a sponge applicator (like those commonly available at paint and hardware stores. As it is a gel, Cellugel, is easily spread onto the leather surface and can be applied liberally. Should Cellugel come into contact with other book materials such as paper or cloth, there is no damage of staining or tide lines. Of special value is the fact that Cellugel, while leaving an invisible film, will neither darken nor discolor the leather surface it is applied to.

Cellugel dries within a few minutes. The treated book can then be handled and used without danger of inhaling leather dust or soiling either hands or clothes.

If the leather is very thick or extremely deteriorated, a second coat may be required. Cellugel is particularly effective as a pre-treatment consolidant for conservation or repair work, allowing adhesion of conservation materials to consolidated leather surfaces.

Coverage

A 16 ounce container of Cellugel will treat approximately 60 average size (6 x 9" / 155 x 231 mm) books. The screw top container should be kept closed when the product is not in use so as to avoid evaporation. Though thinning is not normally required, Cellugel may be thinned only with 100% isopropanol.

DO NOT add water and apply the solution to deteriorated leather book covers as it will result in staining and / or blackening of the leather surface.



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Material Safety Data Sheet

Cellugel (903-16)

Emergency Phone Number	01865 747755
Hazard Rating	4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
Fire Reactivity Toxicity	4 0 1

Supplied By:

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Trade Names and Synonyms

Cellugel

DOT Hazard Classification	Flammable Liquid
Chemical Family	Mixture
Proper DOT Shipping Name	Flammable Liquid
Prepared By D.C Atkins and Son Inc. 4/10/00	
Legend	N/E = Not Established N/A = Not Applicable

Ingredients

Hazardous Components	CAS Number	Percent	ACGTH TLV
Isopropyl Alcohol	67-63-0	80-97	400 ppm
Other ingredients are not considered hazardous per			
29 CFR paragraph 1900.1200			

Physical Data

Boiling Point (deg.F)	Approx 180	Specific Gravity (H ₂ O=1)	Approx 0.8
Vapor Pressure (mm Hg)	Approx 31	Percent Volatile	Approx 96
Vapor Density (Air=1)	Approx 2	Evaporation Rate (BuOAc =1)	7.7
Solubility in Water	Complete	Reactivity in Water	None
Appearance and Odour	Clear Liquid: Fragranced	PH	Not Applicable

Fire and Explosion Hazard Data

Flash Point (Test Method): Setaflash Closed Tester 53
Flammable Limits 2% UEL 2.5% LEL
Auto Ignition Temperature NE

Extinguishing Media Foam Alcohol Foam CO ₂ Dry Chemical Water Spray Water

Special Fire Fighting Procedures	Vapours are heavier than air and may travel along the ground to a source of ignition
Unusual Fire and Explosion Hazards	Remove all source of ignition: heaters, sparks, electric motors, or cutting torches