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# **Solvent Gels For The Cleaning Of Works Of Art The Residue Question By David Miller Herant Khanjian Narayan Khandekar Richard Wolbers Janice Carlson W Christian Petersen Dusan Stulik Valerie Dorge Timothy P Whalen**

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'testing on mock ups and on paintings of innovative  
April 20th, 2020 - gels with the best cleaning performance have been selected gels a and g containing the higher weight respectively of isopropanol and acetone all the other gels containing the same solvents but with different positions have been also considered in order to pare the cleaning performance of all systems containing the same solvent as well as their macroscopic behaviours'

'conference programme international academic projects  
May 10th, 2020 - 9 15am poly vinyl alcohol borax gels a flexible

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cleaning option lora angelova 9 45am novel surface attached gels from photo crosslinkable polyacrylamides for the cleaning of works of art charis theodorakopoulos 10 15am innovative techniques for treating the reverse of paintings gel systems and aquazol 500 pre impregnated facing pads"solvent gels for the cleaning of works of art the residue

May 8th, 2020 - request pdf on jan 1 2005 aviva burnstock and others published solvent gels for the cleaning of works of art the residue question by dusan stulik david miller herant khanjian narayan'

'gels for the conservation of cultural heritage mrs

May 10th, 2020 - gels for the conservation of cultural heritage volume 1418 piero baglioni debora berti massimo bonini emiliano carretti maria del carmen casas perez david chelazzi luigi dei emiliano fratini rodrigo gii irene natali marcia carolina

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May 11th, 2020 - solvent gels for the cleaning of works of art the residue question research in conservation by dusan stulik herant khanjian david miller narayan khandekar richard wolbers janice carlson christian petersen"read download gels in the conservation of art pdf pdf

May 25th, 2020 - among the issues covered are the theory and application of gel cleaning systems the detection of residues left on the surfaces of objects cleaned with these systems research into solvent gel and solvent residues stability of surfactants during natural and artificial aging and recommendations for formulating gels for specific cleaning tasks'review jstor

May 8th, 2020 - sized that solvent gels for the cleaning of works of art the residue question addresses the quantitative measurement and degradation of residues from two very focused cleaning systems 1 carbopol ethomeen solvent gels 2 ten hydrocarbon solvents mostly used in art conservation this means that the book does not address residues'

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May 15th, 2020 - among the issues covered are the theory and application of gel cleaning systems the detection of residues left on the surfaces of objects cleaned with these systems research into solvent gel and solvent residues stability of surfactants during natural and artificial aging and recommendations for formulating gels for specific cleaning tasks'

'the use of solvent gel systems for the cleaning of pmma

March 5th, 2020 - samples after solvent pvac gels especially when coupled with etoh exhibited the least alterations in weight pared to the other solvent gels figure 3 the presence of pvac possibly resulted in more solvent control than other gel systems but still caused more weight changes than treatment with free solvents'

'gels as cleaning agents in cultural heritage conservation

May 15th, 2020 - a study of the clearance of solvent gels used for varnish removal from paintings proceeding of icom mittee for conservation 11th triennial meeting in edinburgh scotland 1996 september 1 6 london james amp james science publishers 1996"eng nanorestore cleaning

May 12th, 2020 - nanorestore gels and applied on water sensitive surfaces for the cleaning of different classes of works of art for the application of nanorestore cleaning formulations confined in a gel network please refer to nanorestore gels technical sheet

storage"organogel formulations for the cleaning of easel paintings

April 8th, 2020 - gels are particularly useful for the cleaning of works of art as they allow the controlled delivery of cleaning fluids on solvent sensitive substrates such as easel paintings owing to the presence of covalent cross links between the polymer chains chemical gels exhibit mechanical properties that allow their easy handling and their residue free removal from artistic surfaces after the'

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### **'the modular cleaning program conservation**

May 27th, 2020 - the solvent gel system allows formulation of a number of stock gels that can be mixed together to form a solvent gel with any intermediate position the modular cleaning program database consists of 19 interrelated tables the main database is the modular cleaning program itself which bins ponents from the solutions database"

### **solvent gels for the cleaning of works of art**

**April 3rd, 2020 - solvent gels for the cleaning of works of art edited by valerie de 1994 often when conservators attempt to remove dirt and grime from the surface of a work of art they face a challenge in avoiding wanted layers of varnish paint or gilding'**

### **'a new bio based anogel for the removal of wax coating**

May 24th, 2020 - in this research we propose an advanced system for the cleaning of wax based coatings applied on indoor bronzes to this aim we developed a new kind of eco friendly gel based on phb poly 3 hydroxybutyrate used as thickening agent biodiesel bd and dimethyl carbonate dmc bd is a mixture of methyl esters obtained from palm oil which acts as cleaning agent while dmc was added as'

### **'9780892367597 solvent gels for the cleaning of works of**

May 18th, 2020 - among the issues covered are the theory and application of gel cleaning systems the detection of residues left on the surfaces of objects cleaned with these systems research into solvent gel and solvent residues stability of surfactants during natural and artificial aging and remendations for formulating gels for specific cleaning tasks'

### **'the use of solvent gel systems for the cleaning of pmma**

May 11th, 2020 - abstract this paper discusses the use of solvent gel systems for the cleaning of poly methyl methacrylate pmma surfaces aqueous polymer gel systems have been introduced to the conservation field with a particular focus on paintings painted surfaces of wooden artefacts and stone'

### **'artists materials aqueous cleaning natural pigments**

May 18th, 2020 - gels are able to reduce the penetration of cleaning solutions into paint layers and reduce mechanical stress to the surface during the cleaning process another important consideration in aqueous cleaning materials is to reduce the amount of ponents such as solvents surfactants and other cleaning pounds that may potentially damage paint surfaces but also leave residues that can affect'

### **'solvent gels for the cleaning of works of art the residue**

**April 24th, 2020 - the paperback of the solvent gels for the cleaning of works of art the residue question by dusan stulik herant khanjian david miller narayan due to covid 19 orders may be delayed thank you for your patience'**

### **'online modular cleaning program mcp mini workshops**

May 26th, 2020 - tutorials cleaning tests mixing solutions and solvent gels there is no cost for the program but pre registration is required as enrollment is limited we also ask that you participate in all four sessions registration deadline is monday april 27 12noon pst to register contact chris stavroudis cstavrou ix net'

### **'solvent gels for the cleaning of works of art the residue**

March 31st, 2020 - among the issues covered are the theory and application of gel cleaning systems the detection of residues left on the surfaces of objects cleaned with these systems research into solvent gel and solvent residues stability of surfactants during natural and artificial aging and remendations for formulating gels for specific cleaning tasks'

### **'conservation wordtrade**

May 5th, 2020 - conservation solvent gels for the cleaning of works of art the residue question edited by dusan stulik david miller herant khanjian narayan khandekar richard wolbers janice carlson w christian petersen valerie de timothy p whalen research in conservation j paul getty trust publications the cleaning of a work of art often involves removing not only dirt and grime but also'

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**'poly vinylalcohol borate hydrogels with improved features**

May 27th, 2020 - poly vinylalcohol pva is a versatile polymer capable of forming hydrogels useful in a wide range of applications hydrogels based on cross linking of pva with borax and able to incorporate anic solvents have been used in the field of cultural heritage as tool for cleaning the surfaces poly ethylenoxide peo has been introduced in the formulations of pva borax with the aim of "solvent gels for the cleaning of works of art the

December 27th, 2019 - solvent gels for the cleaning of works of art the residue question author valerie de aug 2004 on free shipping on qualifying offers'

**'gels conference videos international academic projects**

May 21st, 2020 - gels conference videos novel surface attached gels from photo crosslinkable polyacrylamides for the cleaning of works of art lora angelova poly vinyl alcohol resurrecting a giant using solvent gels and aqueous systems to restore villanova university s triumph of david'

**'wolbers solvent gel kit pigment**

May 22nd, 2020 - the wolbers solvent gel kit contains six mon solvents that have been gelled to aid the conservator in increasing the range of cleaning resources that might be brought to bear on difficult or intractable fine art coatings the solvent gels contained in the kit in order from the least polar polysoltm d60 to the most polar nmp are as'

**'nanorestore cleaning csg**

May 14th, 2020 - the formulations of the nanorestore cleaning series can be used for the removal of oily soils grime or aged anic coatings from the surface of porous works of art in order to overe the drawbacks of traditional cleaning methods i e limited control on the cleaning action of neat anic solvents spreading of the dissolved material toxicity issues or when neat anic solvents'

**'solvent gels for removing aged pressure sensitive tape**

May 14th, 2020 - solvent gels for removing aged pressure sensitive tape from paper solvent gels for removing aged pressure sensitive tape from paper lennig heidi 2010 06 01 00 00 00 abstract the removal of pressure sensitive tapes from paper particularly aged rubber based adhesives is optimized with a poultice that consists of a solvent gel prepared with cetyl hydroxytm ethylcellulose polysurf 67 cs"0892367598 solvent gels for the cleaning of works of art

May 22nd, 2020 - solvent gels for the cleaning of works of art the residue question research in conservation dusan stulik herant khanjian david miller narayan khandekar richard wolbers janice carlson christian petersen valerie de editor'

**'research in conservation solvent gels for the cleaning of**

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**'targeted cleaning of works on paper rigid polysaccharide**

May 20th, 2020 - water and solvent exchange and the gels bee more rigid it is advisable therefore to cut the gels into useful shapes for treatment prior soaking given the chemical structure of polysaccharide gels full of hydroxyl and carboxylic acid groups this preparation works best with polar solvents like acetone and alcohols rather than non polar"cleaning of painted surfaces wolbers strikes again a

May 22nd, 2020 - day three covered solvent based carbopol gels and a review of the teas diagram wolbers is actually moving away from these solvent gels feeling that most cleaning can be done using the above mentioned gels and solutions'

**'gel media in aqueous cleaning methods on paper a**

May 13th, 2020 - solvent gels for cleaning works of art the residue

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*question edited by v de research in conservation the getty conservation institute 2004 fig 1 table showing performance parison and patibility of additives with gels reproduced courtesy of richard wolbers*"**solvent gels for the cleaning of works of art the residue**

May 17th, 2020 - gels cleaning research solvent gels for the cleaning of works of art the residue question travers kristin richard wolbers pdf road rash pdf gels as cleaning agents in cultural heritage wolbers r c cleaning painted l cleaning a painting with solvent gels c solvent gels for the cleaning of works of art the residue question v'

'**solvent gels for the cleaning of works of art the**

**May 3rd, 2020 - get this from a library solvent gels for the cleaning of works of art the residue question dusan stulik valerie**

**de"cleaning of water gilded surfaces using hydro and solvent**

**June 18th, 2018 - preparation and use of solvent gels reagents for the cleaning of polychrome works 2009 ropoulos direct temperature mass spectrometric study on the depth dependent positional gradients of aged triterpenoid varnishes"solvent gels for the cleaning of works of art**

**May 16th, 2020 - among the issues covered are the theory and application of gel cleaning systems the detection of residues left on the surfaces of objects cleaned with these systems research into solvent gel and solvent residues stability of surfactants during natural and artificial aging and remendations for formulating gels for specific cleaning tasks'**

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May 26th, 2020 - among the issues covered are the theory and application of gel cleaning systems the detection of residues left on the surfaces of objects cleaned with these systems research into solvent gel and solvent residues stability of surfactants during natural and artificial aging and remendations for formulating gels for specific cleaning tasks'

'**the use of surfactants in the cleaning of works of art**

**May 18th, 2020 - intriguing aspects involve the synthesis and use of biodegradable and self cleavable surfactants and the confinement of nanostructured fluids in gels which boost the selectiveness of cleaning interventions the performances of these advanced systems surpass those of traditional cleaning materials such as solvent blends and thickeners'**

'**solvent gels for the cleaning of works of art the residue**

**May 11th, 2020 - solvent gels for the cleaning of works of art the residue question research in conservation stulik dusan khanjian herant miller david khandekar narayan wolbers richard carlson janice petersen christian de valerie on free shipping on qualifying offers solvent gels for the cleaning of works of art the residue question research in conservation'**

'**gels for the cleaning of works of art acs symposium**

**March 23rd, 2019 - abstract gels are being one of the most important tools for the conservation of cultural heritage they are very versatile systems and can be easily adapted to the cleaning and consolidation of works of art this perspective reviews the major achievements in'**

'**solvent gels for the cleaning of works of art the residue**

May 21st, 2020 - buy solvent gels for the cleaning of works of art the residue question research in conservation by stulik isbn 9780892367597 from s book store everyday low prices and free delivery on eligible orders'

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**May 15th, 2020 - solvent gels for the cleaning of works of art carbopol and pemulen solvent gels left large amounts of residues and visually performed poorly with inconsistent weight and gloss values'**

'**smart soft nanomaterials for cleaning sciencedirect**

**May 18th, 2020 - nanofluids for the cleaning of works of art 174 9 2 2 1 from preliminary tests to end users 174 9 2 2 2 understanding the mechanism of cleaning 178 9 3 gels for the cleaning of cultural heritage 182 9 3 1 cleaning sensitive artworks use of confined**

'gels wiki

May 23rd, 2020 - kronkright dale 2009 review of solvent gels for the cleaning of works of art the residue question and cleaning painted surfaces aqueous methods journal of the american institute for conservation 48 1 83 96 lennig heidi 2010 solvent gels for removing aged pressure sensitive tape from paper'

'bined solvent emulsion and polyacrylate gel cleaning

May 10th, 2020 - as demonstrated here it can enhance the aesthetics and the condition of works of art that may have not been professionally treated in the past in this particular case solvents microemulsions polyacrylic gels and solvent gels were bined to enhance the condition of a nineteenth century tempera and gilded icon with obvious signs of a previous non professional cleaning" gels cleaning research 1998 2003 getty

May 22nd, 2020 - cleaning grime or other layers from unpainted surfaces in general also presents problems such as color change to the surface and absorption of the cleaning agent into porous surfaces overview in the mid 1980s richard wolbers at the university of delaware introduced solvent based gels resin soaps and enzymes as alternative cleaning systems'

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