

Introduction

MCNS Polyol Y-1564 is a grafted polypropylene glycol containing copolymerized styrene and acrylonitrile, especially designed for the production of flexible slabstock foams. It can be blended with other polyols to achieve desirable PU foam properties.

Product Specifications

Property	Unit	Value
Hydroxyl Number	mgKOH/g	42±3
Water	%	0.08 max
pH	10/6 : IPA/Water	5.0-9.0
Acid Number	mgKOH/g	0.10 max
Viscosity (at 25 °C)	cps	1,050-1,450

Storage

MCNS Polyol Y-1564 is hygroscopic. The absorption of water would affect reactivity and physical properties of the final product. It should be kept in tightly closed containers in dry condition to prevent contamination, away from direct heat source. Storage temperature between 20~35 °C is recommended. It would be viscous at low temperatures. It can be heated up to 60 °C before using for easy handling.

Handling Precautions

MCNS Polyol Y-1564 has very low odor of acute toxicity and does not present a significant health hazard to users. However, general standards of industrial hygiene should be observed when handling this chemical. Suitable protective clothing and eye protection must be worn to avoid unnecessary contacts or accidental ingestion. In case of skin or eye contact, wash promptly with copious amounts of clean water. In case of eye contact, seek medical attention.

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**Thirumalaisamy P.
Velavancorresponding**

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Food Additives Data Book Jim Smith, Lily Hong-Shum, 2011-06-20 The use of additives in food is a dynamic one as consumers demand fewer additives in foods and as governments review the list of additives approved and their permitted levels Scientists also refine the knowledge of the risk assessment process as well as improve analytical methods and the use of alternative additives processes or ingredients Since the first edition of the Food Additives Databook was published there have been numerous changes due to these developments and some additives are no longer permitted some have new permitted levels of use and new additives have been assessed and approved The revised second edition of this major reference work covers all the must have technical data on food additives Compiled by food industry experts with a proven track record of producing high quality reference work this volume is the definitive resource for technologists in small medium and large companies and for workers in research government and academic institutions Coverage is of Preservatives Enzymes Gases Nutritive additives Emulsifiers Flour additives Acidulants Sequestrants Antioxidants Flavour enhancers Colour Sweeteners Polysaccharides Solvents Entries include information on Function and Applications Safety issues International legal issues Alternatives Synonyms Molecular Formula and mass Alternative forms Appearance Boiling melting and flash points density purity water content solubility Synergists Antagonists and more with full and easy to follow up references Reviews of the first edition Additives have their advantages for the food industry in order to provide safe and convenient food products It is therefore essential that as much information as possible is available to allow an informed decision on the selection of an additive for a particular purpose This data book provides such information consisting of over 1000 pages and covering around 350 additives This data book does provide a vast amount of information it is what it claims to be Overall this is a very useful publication and a good reference book for anyone working in the food and dairy industry International Journal of Dairy Technology Volume 59 Issue 2 May 2006 This book is the best I have ever seen a clear winner over all other food additive books a superb edition SAAFOST South African Association for Food Science and Technology

Oligomer Technology and Applications Constantin V. Uglea, 1998-01-05 Details laboratory and industrial synthesis and applications of oligomers suggesting practical solutions to the on the job problems as well as exploring processing devices and techniques for industrial scale production of new oligomer types **Plastics Technology**, 1984 *The ICI Polyurethanes Book* George Woods, 1990-12-11 User friendly even for those with limited knowledge of chemistry it contains clear details of processing applications and safety New to this edition is an appendix covering the considerable progress that has taken place since 1987 including the development of alternatives for chlorofluorocarbons CFCs and the advent of polyurea elastomers **Handbook of Thermosetting Foams, Aerogels, and Hydrogels** Prasanth Raghavan, M.S. Sreekala, Lakshmipriya Ravindran, Ankitha Menon, 2024-06-05 Handbook of Thermosetting Foams Aerogels and Hydrogels From Fundamentals to Advanced Applications presents the latest on the preparation characterization properties and

applications of thermoset foams aerogels and hydrogels The book begins by introducing each of these concepts and their characteristics current applications potential for further development and environmental impacts This is followed by three sections each focusing on foams aerogels and hydrogels developed from a specific thermosetting polymer category covering polyurethane epoxy resins and formaldehyde In each section detailed coverage includes preparation structure characterization properties processing and applications based on material along with key challenges in design processing implementation and solutions This is a valuable resource for researchers and advanced students with an interest in thermoset lightweight materials across the disciplines of polymer science chemistry nanotechnology materials science and engineering The book will also be of interest to R D professionals engineers and scientists working with foams hydrogels and aerogels for a range of applications and industries Provides methodical coverage of polyurethane epoxy and formaldehyde based foams aerogels and hydrogels Explores a range of high value applications across automotive and aerospace defense biomedicine and other areas Considers challenges in design processing and implementation and environmental aspects such as biodegradability and recyclability

Flexible Polyurethane Foams G. Woods,1982 **CFC-Free Technology in the Plastic Foam Sector** ,1992 *Cosmetic Science and Technology: Theoretical Principles and Applications* Kazutami Sakamoto,Robert Y. Lochhead,Howard I. Maibach,Yuji Yamashita,2017-03-03 *Cosmetic Science and Technology Theoretical Principles and Applications* covers the fundamental aspects of cosmetic science that are necessary to understand material development formulation and the dermatological effects that result from the use of these products The book fulfills this role by offering a comprehensive view of cosmetic science and technology including environmental and dermatological concerns As the cosmetics field quickly applies cutting edge research to high value commercial products that have a large impact in our lives and on the world s economy this book is an indispensable source of information that is ideal for experienced researchers and scientists as well as non scientists who want to learn more about this topic on an introductory level Covers the science preparation function and interaction of cosmetic products with skin Addresses safety and environmental concerns related to cosmetics and their use Provides a graphical summary with short introductory explanation for each topic Relates product type performance to its main components Describes manufacturing methods of oral care cosmetics and body cosmetics in a systematic manner

Technical Association of the Pulp and Paper Industry ,1959 *Plastics* ,1967

Material Safety Data Sheets Service ,1989 *Urethane Foams: Technology and Applications* Yale L. Meltzer,1971

The Rubber and Plastics Age ,1967 **Plastics World** ,1994 *Chemical and Engineering News* ,1961

Encyclopedia of Industrial Chemical Additives Michael Ash,1984 **Environmental Management System Training Resource Kit** United Nations Environment Programme,1995 Gives trainers and managers the tools necessary to conduct training courses in environmental management systems for companies in their own region It offers guidance on adapting the Kit to local regulations conditions and culture

Proceedings ,1992 *Coatings Technology Handbook* Donatas Satas,1991

Contributors from US companies and a smattering of German ones cover fundamentals and testing coating and processing techniques materials and surface coatings Among the testing methods are infrared spectroscopy thermal analysis weathering and cure monitoring The processes include flexography electroless plating flame surface treatment embossing and calendaring The materials section considers both coating material and material to be coated such as resins thermoplastic elastomers peelable medical radiation cured leather and metal coatings No date is noted for the first edition but the second has been expanded to cover more techniques processes and materials Annotation copyrighted by Book News Inc Portland OR

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24 juin 1812 la campagne de russie du niemen à la moskova - Jun 19 2023

web la campagne de russie du niemen à la moskova le 24 juin 1812 napoléon ier franchit le niemen avec ses troupes il envahit la russie sans déclaration de guerre préalable comme hitler 129 ans plus tard à deux jours près

les coups de coeur 2020 napoléon et la campagne de russie 1812 - Mar 04 2022

web napoléon et la campagne de russie 1812 jacques olivier boudon 1962 auteur a l'occasion des 200 ans de la campagne de russie j o boudon à l'aide de récits de rescapés et de sources variées cherche à comprendre le rôle majeur de cette défaite française dans la construction de la mémoire européenne