

Safety data sheet FE 178-F B-RESIN

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Version: 1.1

Page: 1/6

(30288739/MDS GEN US/EN)

1. Substance/preparation and company identification

Company

BASF Polyurethane Foam Enterprises LLC
13630 Watertower Circle
Minneapolis, MN 55441

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
Hotline: 1-800-858-3342

Chemical family:

resin

Synonyms:

Urethane System Resin Component

2. Composition/information on ingredients

CAS Number	Content (W/W)	Chemical name
	< 75.0 %	Polyol
	< 12.0 %	Flame Retardant
	< 2.0 %	Surfactant
108-01-0	< 3.0 %	2-dimethylaminoethanol
	< 3.0 %	Catalyst
25265-71-8	< 2.0 %	Dipropylene Glycol
460-73-1	< 10.0 %	1,1,1,3,3-pentafluoropropane
107-21-1	2.0 %	ETHYLENE GLYCOL

3. Hazard identification

Emergency overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
SENSITIZER.

MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA.

MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA.

CONTAINS MATERIAL WHICH CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE.

MAY ADVERSELY EFFECT THE DEVELOPING FETUS BASED ON ANIMAL DATA.

Potential health effects**Primary routes of exposure**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

Ingestion may cause gastrointestinal disturbances.

Safety Data Sheet Basf

T.S.S. Dikshith



Safety Data Sheet Basf:

Hazardous Chemicals T.S.S. Dikshith, 2013-05-06 An easily accessible guide to scientific information Hazardous Chemicals Safety Management and Global Regulations covers proper management precautions and related global regulations on the safety management of chemical substances The book helps workers and safety personnel prevent and minimize the consequences of catastrophic releases of toxic reactive flammable or explosive chemical substances which often result in toxic or explosive hazards It also details safety measures for transportation of chemical substances by different routes such as by road rail air and sea Discusses different aspects of potentially toxic and hazardous chemicals in simple and comprehensive language Provides toxicity and health effects of chemicals in simple nontechnical language Covers scientific information on hazardous and potentially dangerous chemical substances at workplaces Offers fundamental knowledge about the biological and health effects of hazardous and potentially toxic chemicals in a comprehensive way Includes recent developments on safety management of hazardous and potentially toxic chemicals and related global regulations The author discusses the importance of knowledge in avoiding negligence during the use and handling of hazardous chemical substances He stresses the importance of proper management and judicious application of each chemical substance irrespective of the workplace and eventually shows how safety and protection of the user workplace and the living environment can be achieved

Transmission System Vegetation Management Program, 2000 MSDS Reference for Crop Protection Products, 2007

3D Printing in Chemical Sciences Vipul Gupta, Pavel Nesterenko, Brett Paull, 2019-03-20 3D printing has rapidly established itself as an essential enabling technology within research and industrial chemistry laboratories Since the early 2000s when the first research papers applying this technique began to emerge the uptake by the chemistry community has been both diverse and extraordinary and there is little doubt that this fascinating technology will continue to have a major impact upon the chemical sciences going forward This book provides a timely and extensive review of the reported applications of 3D Printing techniques across all fields of chemical science Describing comparing and contrasting the capabilities of all the current 3D printing technologies this book provides both background information and reader inspiration to enable users to fully exploit this developing technology further to advance their research materials and products It will be of interest across the chemical sciences in research and industrial laboratories for chemists and engineers alike as well as the wider science community *Material Safety Data Sheets Service*, 1989 **Towards Sustainable**

Chemical Processes Jingzheng Ren, Yufei Wang, Chang He, 2020-06-30 Towards Sustainable Chemical Processes describes a comprehensive framework for sustainability assessment design and the processes optimization of chemical engineering Beginning with the analysis and assessment in the early stage of chemical products initiating this book focuses on the combination of science sustainability and process system engineering involving mathematical models industrial ecology circular economy energy planning process integration and sustainability engineering All chapters throughout answered two

fundamental questions in depth 1 what tools and models are available to be used to assess and design sustainable chemical processes 2 what the core theories and concepts are to get into the sustainable chemical process fields Therefore Towards Sustainable Chemical Processes is an indispensable guide for chemical engineers researchers students practitioners and consultants in sustainability related area Provides innovative novel and comprehensive methods and models for sustainability assessment design and optimization and synthesis and integration of chemical engineering processes Combines sustainability science with process system engineering Integrates mathematical models industrial ecology circular economy energy planning process integration and sustainability engineering Includes new case studies related to renewable energy resource management process synthesis and process integration

Managing Petrochemicals Business Pramod Paliwal, Sonal

Yadav, Sudhir Yadav, 2025-06-12 This book offers a comprehensive overview of the contemporary international petrochemicals business and explains related managerial complexities business challenges and opportunities to enhance competitiveness It enables readers to explore critical issues facing the industry such as profitability and investment economics optimizing business processes regulatory aspects refining different grades of crudes marketing of refinery products health safety environment and emerging ESG compliances in petrochemical business Features Explains value chain of the petrochemicals industry from a business perspective Highlights economic developments of petrochemicals applications marketing and case studies on business aspects Discusses refinery product mix pricing and marketing of refinery products Reviews managerial challenges in the petrochemicals refining business Includes HSE and ESG aspects of the petrochemicals refining business This book is aimed at researchers and graduate students in chemical engineering business and management studies and petrochemical industries professionals

Environmental Investigation and Remediation Thomas K.G. Mohr, 2016-04-19

A ubiquitous largely overlooked groundwater contaminant 1,4-dioxane escaped notice by almost everyone until the late 1990s While some dismissed 1,4-dioxane because it was not regulated others were concerned and required testing and remediation at sites they oversaw Drawing years of 1,4-dioxane research into a convenient resource Environmental

Hazardous Materials Accident Report, 197?

1996 Hercules Site-specific Health & Safety Workbook, 1996

MSDs Reference for Crop Protection Chemicals MSDS, 1993 MSDS Reference for Crop Protection Chemicals

, 1989 **Pesticide Residues in Food**, 1994 **West's Federal Supplement**, 2001 Cases decided in the United States district courts United States Court of International Trade and rulings of the Judicial Panel on Multidistrict Litigation

Occupational Toxicants Helmut Greim, 1998 The volumes of this series present almost 300 indispensable toxicological evaluation documents on important occupational toxicants and carcinogens They describe the toxicological database which determines the level of a MAK value Maximum Concentrations at the Workplace Each evaluation document is written to a standard format and includes sections about toxic effects modes of action effects in man effects on animals genotoxicity and carcinogenicity manifesto The accumulated expertise of the Commission's toxicologists and occupational physicians makes

their reviews inevitable for all involved in occupational health and safety Volume 9 contains 29 new compounds half of them metal working fluid components

Modern Crop Protection Compounds Wolfgang Krämer, Ulrich Schirmer, 2007-04-20 This one stop reference for everyone working in the agrochemical business is written from a truly international industrial perspective with first class authors from leading companies including Bayer Dow Syngenta and BASF In three volumes it addresses all important aspects from the history to the mode of action from the effects on the organism to major commercial products and industrial synthesis A series of special chapters cover such hot topics as high throughput screening in modern agrochemical research the role of fluorine and consequences for modern drug design A comprehensive source of top quality information

Toxicological Evaluations Berufsgenossenschaft der Chemischen Industrie, 1990 V 2 Potential health hazards of existing chemicals

Handbook of Environmental Data on Organic Chemicals Karel Verschueren, 2001-02-09 An essential tool for professionals working with dangerous environmental chemicals A trusted reference for over two decades the Handbook of Environmental Data on Organic Chemicals provides reliable comprehensive cutting edge information on organic compounds and their impact on the environment Featuring HTML format Web browser included this electronic edition offers fast and easy access to the full contents of the newly revised and expanded Fourth Edition including Essential environmental data for more than 3 000 organic chemicals 250 completely new and 600 substantially updated entries since the previous edition Chemical and physical properties air water and soil pollution factors and biological effects for each compound Commonly accepted names of chemicals synonyms molecular and structural formulas and CAS numbers Definitions abbreviations over 10 000 references plus molecular formulas and CAS cross indexes Customized full query functions allow for searches based on specific criteria such as CAS numbers pollution and biological factors and more System requirements Windows 9x or higher 1 MB hard drive space SVGA monitor CD ROM drive Customized Web HTML browser included on CD To learn about other WILEY CD ROMs call 800 825 7550 or 212 850 6347

Toxicological Evaluations BG Chemie, 1998-01-12

Toxicological Evaluations 9 BG Chemie, 1995-08-30 As part of its Programme for the prevention of health hazards caused by industrial substances the Berufsgenossenschaft der chemischen Industrie BG Chemie Employment Accident Insurance Fund of the Chemical Industry began in 1977 to investigate the toxicity of those chemicals which are widely used have many different applications and are suspected of being dangerous to health in particular of having long term effects The investigations consist of a literature search and depending on the results commissions of experimental studies It is hoped by means of this testing to close gaps in our knowledge and to increase the scientific validity of the required risk assessments The results of the toxicological investigations carried out by BG Chemie and the resulting substance assessments have been published in German since 1987 in the form of 169 Toxikologische Bewertungen Toxicological Evaluations up to now In order to make this useful information internationally available BG Chemie began in October 1990 to publish them as a book series in English of which the ninth volume containing 14 individual evaluations is presented here

Therefore for 124 existing chemicals Toxicological Evaluations are available in English at the moment a further 41 are in preparation and will be published soon

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web a key barrier for low carbon hydrogen is the cost gap with hydrogen from unabated fossil fuels at present producing

hydrogen from fossil fuels is the cheapest option in most parts of the world depending on regional gas prices the levelised cost of hydrogen production from natural gas ranges from usd 0.5 to usd 1.7 per kilogramme kg

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web oct 6 2021 the former is the more mature and most common used industrially as it is a cost effective method that deploys cracking or reforming fossil based fuels in 2016 hydrogen production globally was about 85 million tonnes used in petroleum metal industry fertiliser food processing semiconductor production power plants and

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