

JOURNAL OF JAPAN SOCIETY FOR SAFETY ENGINEERING

Volume 61 No.2

April 2022

CONTENTS

PROPOSAL FOR SAFETY

Changes in Safety Management with Society

Shuji Yahiro 80

REVIEW

Understanding the Regulations for Safety -What engineers should know-

Taiji Sugimoto, Tetsu Moriyama and Takabumi Fukuda 81

Present Status and Safety for Environmental and Food Pollutions by Pesticide of Glyphosate

Yuichi Fushiwaki 89

Applicability of Theory U to Ethical, Legal and Social Issues

-Methodology for Co-creating the Better Technological Society-

Hiroyuki Seyazaki 95

ORIGINAL PAPER

Explosion and Fire Characteristics of Magnesium Hydride Powder

Masaaki Yashima 102

Diffusion Behavior of Hydrogen in the Ground and Atmosphere when Leaking from Underground Pipes

Shuichi Yamasaki, Yuji Ichikawa, Masakazu Ogita and Tatsumi Ishihara 113

Consideration on Years of Experience of Workers in Occupational Accidents caused by Power Machinery

-Years of Experience and Age Distribution of Workers-

Junya Watanabe 125

Experimental Study on Charge Amounts of Abnormal Discharges Occurred from Bipolar Electrostatic Ionizer

Kwangseok Choi, Min Choi, Yuki Osada and Teruo Suzuki 133

Quantification of the Availability of Ventilation for the Area Classification

Teruhito Otsuka, Satoru Mochida and Takashi Furuya 141

TECHNICAL NOTE

Effectiveness of Hazard Control Measures by Explosion Door Equipped on Environmental Test Chambers

-From Results of Thermal Runaway Experiment of Lithium-ion Secondary Battery-

Takashi Shimoju and Mitsuo Shibagaki 149