

# MANAGEMENT SYSTEM CERTIFICATE

Certificate No:  
214176-2017-ASA-RGC-RvA

Initial certification date:  
27 February, 2002

Valid:  
27 February, 2020 - 27 February, 2023

This is to certify that the management system of

## Dairen Chemical Corporation

9F, No. 301, Song-Kiang Road, Taipei 104, Taiwan  
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Occupational Health and Safety Management System  
standard:

**ISO 45001:2018**

This certificate is valid for the following scope:

**Design and Manufacture of Vinyl Acetate Monomer(VAM), Acetaldehyde, Allyl Alcohol(AAL), Liquefied Carbon Dioxide(L-CO<sub>2</sub>), Nitrogen(N<sub>2</sub>), Vinyl Acetate-Ethylene Copolymer Emulsion(VAE), Vinyl Acetate-Ethylene Copolymer Redispersible Powder(VAEP), Ethylene-Vinyl Acetate-Vinyl Chloride Emulsion (EVAVC), Ethylene-Vinyl Chloride Copolymer Emulsion (EVCL), 1,4-Butanediol(1,4-BDO), 2-Methyl-1,3-Propanediol(MPO), n-Propanol (NPA), iso-Butanol(IBA), Tetrahydrofuran(THF), Polytetramethylene Ether Glycol(PTG), Recycled Sulfuric Acid and γ-Butyrolactone(GBL)**

The organization was holding a non-accredited certificate for OHSAS 18001:2007 from 27/02/2002 to 27/02/2017

Place and date:  
Shanghai, 27 February, 2020



The RvA is a signatory to the IAF MLA

For the issuing office:  
DNV GL – Business Assurance  
Suite A, Building 9, No.1591 Hongqiao  
Road, Changning District, Shanghai  
200336, P.R. China  
TEL: +86 21 32799000

**Zhu Hai Ming**  
Management Representative



Certificate No: 214176-2017-ASA-RGC-RvA  
Place and date: Shanghai, 27 February, 2020

## Appendix to Certificate

### Dairen Chemical Corporation

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
Dairen Chemical Corporation	9F, No. 301, Song-Kiang Road, Taipei 104, Taiwan	Sales of Vinyl Acetate Monomer(VAM), Acetaldehyde, Allyl Alcohol(AAL), Liquefied Carbon Dioxide(L-CO <sub>2</sub> ), Nitrogen(N <sub>2</sub> ), Vinyl Acetate-Ethylene Copolymer Emulsion(VAE), Vinyl Acetate-Ethylene Copolymer Redispersible Powder(VAEP), Ethylene-Vinyl Acetate-Vinyl Chloride Emulsion (EVAVC), Ethylene-Vinyl Chloride Copolymer Emulsion (EVCL), 1,4-Butanediol(1,4-BDO), 2-Methyl-1,3-Propanediol(MPO), n-Propanol (NPA), iso-Butanol(IBA), Tetrahydrofuran(THF), Polytetramethylene Ether Glycol(PTG), Recycled Sulfuric Acid and γ-Butyrolactone(GBL)
Dairen Chemical Corporation, Kaohsiung Factory	No. 1-3, Hsiung-Kung Road, Ta-She Industrial Zone, Kaohsiung 815, Taiwan	Design and Manufacture of Vinyl Acetate Monomer (VAM), Allyl Alcohol (AAL), Vinyl Acetate-Ethylene Copolymer Emulsion (VAE), Vinyl Acetate-Ethylene Copolymer Redispersible Powder (VAEP), Liquefied Carbon Dioxide(L-CO <sub>2</sub> ) and Nitrogen(N <sub>2</sub> )
Dairen Chemical Corporation, Da-Fa Factory	No. 8-1, Hua-Shi Road, Da-Fa Industrial District, Kaohsiung 813, Taiwan	Design and Manufacture of 1,4-Butanediol(1,4-BDO), 2-Methyl-1,3-Propanediol (MPO), n-Propanol (NPA), iso-Butanol (IBA), Tetrahydrofuran (THF), Polytetramethylene Ether Glycol (PTG), Recycled Sulfuric Acid, γ-Butyrolactone (GBL), Allyl Alcohol (AAL) and Nitrogen(N <sub>2</sub> )
Dairen Chemical Corporation, Mai-Liao Factory	No. 25, Formosa Industrial Park, Mailiao, Yunlin 638, Taiwan	Manufacture of Vinyl Acetate Monomer (VAM), Acetaldehyde, Allyl Alcohol (AAL), 1,4-Butanediol (1,4-BDO), Polytetramethylene Ether Glycol (PTG), n-Propanol(NPA), iso-Butanol (IBA), 2-Methyl-1,3-Propanediol (MPO), Tetrahydrofuran(THF), Recycled Sulfuric Acid and Liquefied Carbon Dioxide(L-CO <sub>2</sub> )
Dairen Chemical (Jiangsu) Co., Ltd.	No. 1, Dalian Road, Yangzhou Chemical Industry Park, Yangzhou, Jiangsu, P.R. China, 211900	Manufacture of Vinyl Acetate-Ethylene Copolymer Emulsion(VAE), Vinyl Acetate-Ethylene Copolymer Redispersible Powder(VAEP), 1,4-Butanediol(1,4-BDO), 2-Methyl-1,3-Propanediol(MPO), n-Propanol(NPA), iso-Butanol(IBA), Tetrahydrofuran(THF), Polytetramethylene Ether Glycol(PTG), Allyl Alcohol(AAL) and Nitrogen(N <sub>2</sub> )
Dairen Chemical (M) Sdn. Bhd.	PLO 18, Jalan Nibong 1, Tanjung Langsat Industrial Estate, 81700 Pasir Gudang, Johor, Malaysia	Design and Manufacture of Vinyl Acetate-Ethylene Copolymer Emulsion (VAE), Ethylene-Vinyl Acetate-Vinyl Chloride Emulsion (EVAVC) and Ethylene-Vinyl Chloride Copolymer Emulsion (EVCL)