

# MANAGEMENT SYSTEM CERTIFICATE

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

Initial certification date:  
27 February, 2002

Valid:  
12 April, 2022 – 27 February, 2023

This is to certify that the management system of

## Dairen Chemical Corporation

18F., No. 223, Songjiang Rd., Zhongshan Dist., 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-CO2), Nitrogen(N2), 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  $\gamma$ -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, 13 April, 2022

For the issuing office:  
**DNV - Business Assurance**  
Suite A, Building 9, No.1591 Hongqiao  
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**Zhu Hai Ming**  
Management Representative

## Appendix to Certificate

### Dairen Chemical Corporation

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
Dairen Chemical Corporation, Da-Fa Factory	No. 8-1, Huaxi Road, Da-Fa Industrial District, Kaohsiung 831, 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, $\gamma$ -Butyrolactone(GBL), Allyl Alcohol(AAL) and Nitrogen(N <sub>2</sub> )
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, 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 (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)
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 Corporation	18F., No. 223, Songjiang Rd., Zhongshan Dist., 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 $\gamma$ -Butyrolactone(GBL)