

CHEMISYS

Integrated Database System for Chemical Products



Key Features

PrimeShip-CHEMISYS (Search & Data)

- ◆ Cargo suitability search system
- ◆ Up-to-date information on ship COF status
- ◆ Additional data services for Chemical Products
- ◆ PrimeShip-CHEMISYS (Onboard)
- ◆ Onboard assistance system of cargo stowage planning and cargo handling operation

PrimeShip-CHEMISYS is a convenient and powerful tool for the design and operation of chemical carriers.

PrimeShip-CHEMISYS (Search & Data) consists of two specialized applications. For designers, PrimeShip-CHEMISYS (Search & Data) provides an easy search and reference system for determining chemical loading suitability. For owners, PrimeShip-CHEMISYS (Search & Data) provides a tool to easily assess the present status of the ship and determine the loadability of potential cargos. PrimeShip-CHEMISYS (Onboard) assists ship operator to carry out cargo stowage planning and cargo handling operation.



Main functions

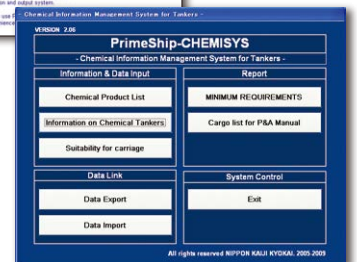
PrimeShip-CHEMISYS (Search & Data)

Design Support System (for designers)

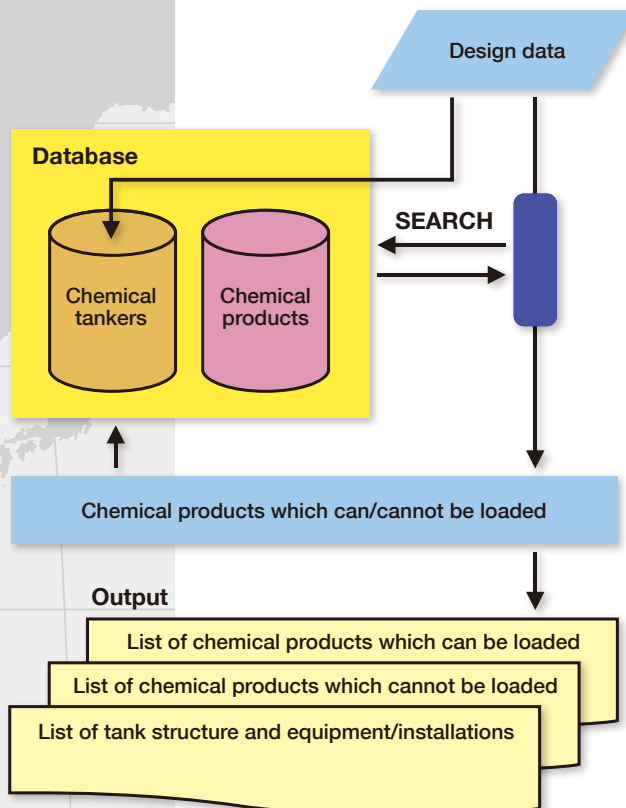
- ◇ Chemical cargo database system
- ◇ Vessel database system (construction and installations)
- ◇ Cargo Suitability Search System (compliance with IBC Code)

Information Service (for owners)

- ◇ Ship Status/Cargo Loadability service accessible via the Internet



Overview of Design Support System
[for designers]



Information Service - Cargo Loadability Service
[for owners]

Ship List

| Class Number | Ship Name | Builder | SNO | Flag | Kind of Ship |
|--------------|------------------|--------------------------------|------|------------------|--------------|
| 000000 | CLASSNK MARU | CLASSNK | 324 | TURKEY | Chemical |
| 000002 | 999 | CLASSNK SHIPBUILDING CO., LTD. | | Singapore | Chemical |
| 000007 | KAMI CHEMICAL | CLASSNK SHIPBUILDING CO., LTD. | 1270 | HONG KONG, CHINA | Chemical |
| 030432 | CLASSNK CHEMICAL | CLASSNK SHIPBUILDING CO., LTD. | 351 | PANAMANIAN | Chemical |
| 940625 | NK KIBOU | CLASSNK SHIPBUILDING CO., LTD. | 508 | PANAMANIAN | Chemical |
| 982741 | CHEM NK | CLASSNK SHIPBUILDING CO., LTD. | 1211 | Singapore | Chemical |
| 970153 | CLASSNK NOZOMI | CLASSNK SHIPBUILDING CO., LTD. | 5010 | Singapore | Chemical |
| 081189 | NK KIBOU | CLASSNK SHIPBUILDING CO., LTD. | 5038 | Singapore | Chemical |
| 990024 | HIKARI NK | CLASSNK SHIPBUILDING CO., LTD. | 1212 | PANAMANIAN | Chemical |

Loading Status List

| Product ID | Product Name | Tank No | A | B | C |
|------------|--|-----------------|---|---|---|
| 600 | Acrylonitrile | All cargo tanks | ● | ● | ● |
| 700 | Acrylonitrile-Styrene copolymer dispersion in polyether polyol | All cargo tanks | ● | ● | ● |
| 800 | Adiponitrile | All cargo tanks | | ● | |
| 900 | Alachlor technical (90% or more) | All cargo tanks | | ● | |
| 1000 | Alcohol (C9-C11)poly (2,5-9)ethoxylate | All cargo tanks | | | ● |
| 1100 | Alcohol (C6-C17)(secondary)poly(3-6)ethoxylates | All cargo tanks | ● | ● | |
| 1200 | Alcohol (C6-C17)(secondary)poly(7-12)ethoxylates | All cargo tanks | ● | ● | |
| 1300 | Alcohol (C12-C16)poly(4-6)ethoxylates | All cargo tanks | | | ● |

Additional Data Services for Chemical Products

In addition to the above service, the PrimeShip-CHEMISYS (Search & Data) website also provides users with reference data on the typical properties of a wide variety of chemical products.

PrimeShip-CHEMISYS (Onboard)

- ◇ Check list for cargo handling operation
- ◇ Cargo compatibility check with tank material/coating
- ◇ Cargo compatibility check with other cargo stowed in adjacent tank
- ◇ Showing of cargo stowage history (three previous cargo)
- ◇ Showing of cleaning and disposal procedures stipulated in MARPOL ANNEX II. Etc.

System requirements for use

- CHEMISYS (Search & Data) [Design Support System]: Microsoft Office Access 2003 or 2010
- CHEMISYS (Search & Data) [Information Service]: Microsoft Internet Explorer ver.9 or higher
- CHEMISYS (Onboard): Microsoft NET Framework 3.5 or higher

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