

WORLD LEADING TANK CLEANING COMPETENCE

TANK CLEANING GUIDE AND CARGO DATABASE -

THEMES

MIRACLE tank cleaning guide Cleaning Seminar Dr. Verwey

MIRACLE

TANK CLEANING GUIDE AND CARGO DATABASE

All relevant data for a tank cleaning job can be extracted into one report called Tank Cleaning Plan. The MIRACLE Tank Cleaning Plan is in line with statutory and industry requirements (OCIMF, SIRE, CDI, ISGOTT and Chem Tanker Safety Guide).



- o Contains all Annex I and II cargoes (bulk liquid chemicals and petroleum products allowed for transportation on tankships)
- O Far above 10.000 cargoes, but easy to find by their names and synonyms
- O Physical and chemical properties
- Tank cleaning recipes for cleaning to next cargo
- Special recipes for Clean Petroleum Products (CPP) Trade
- Tool for selection of alternative cleaners
- O Hazards and prevention measures
- O Exposure limits and measurement tubes for toxic vapour cargoes
- MARPOL requirements
- O IBC Code requirements
- Tank coating compatibility
- O US Coast Guard compatibility requirements for adjacent cargoes
- O FOSFA, NIOP, EU and CIQ previous cargo acceptance requirements
- Stowage data

Available as:

DVD-ROM (MIRACLE client) for users without continuous internet connection.

Online Database (web-based and continuously updated with newest information)

Free demo on https://miracle.chemserve.eu

CLEANING SEMINAR

BACKGROUND INFORMATION FOR IN DEPTH UNDERSTANDING

The Cleaning Seminar is a kind of Wikipedia for all sorts of questions arround tank cleaning. The included search engine provides links to a comprehensive collection of themes, tables and many videos. All this is available online and also included in the DVD for local installation.





A good preparation of the cleaning operation will avoid tank rejections as well as incidents during the operation. In general the cleaning procedure can be determined from the product properties of the product to be cleaned, the surrounding conditions, the available equipment and the cleanliness requirements of the product to be loaded. The Cleaning Process section of the Cleaning Seminar describes in detail how a cleaning operation is properly planned and how a tank cleaning recepie and tank cleaning plan should be developed.



After tank cleaning has been accomplished it is mandatory to check the result. The intensity of the check depends on the cleaning standard that must be achieved. The tank inspection and Wall Wash Procedure is explained in all details including the typical tests. Complex test procedures, such as PTT test are even explained by means of videos.



Frequently occuring problems and proposals for solving are listed in this section. Examples are:

- O White residues after cleaning of fatty acids or veg oils with high FFA content.
- O Removal of inert gas residues
- O Removal of inhibitor residues such asTBC or MEHQ

WORLD LEADING PROVIDER FOR TANK CLEANING SOLUTIONS

MIRACLE AND DR. VERWEY TANK CLEANING GUIDE BY CHEMSERVE





















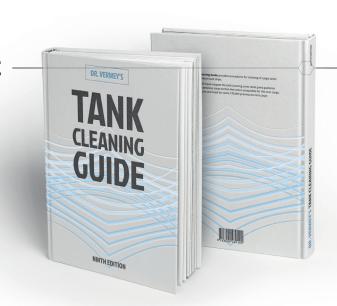




DR. VERWEY'S TANK CLEANING GUIDE

Dr. Verwey's Tank Cleaning Guide provides procedures for cleaning of cargo tanks on chemical and petroleum tank ships. For more than 400 bulk liquid cargoes the cross table gives guidance on how to clean from the previous cargo so that the tank is acceptable for the next cargo. Tank cleaning procedures are listed for some 170,000 previous to next cargo combinations.

This book is available from your nautical bookseller.



CONTACT

WWW.CHEMSERVE-MARINE.COM

ChemServe GmbH
Hubertuskamp 8
21521 Dassendorf, Germany

+49 4135 80 86 30

+49 4135 80 86 31 (Fax)

info@chemserve-marine.com

