

Open Trade Training Centre

P O Box 14532, Dersley / SPRINGS, 1569, South Africa

Tel/Fax. (+27) 011- 816-2580 and 011- 366-1219, E-mail ottc@mweb.co.za

Full Accreditation by MERSETA for Trades of Commercial & Industrial Refrigeration Mechanic TA/1647/01
Provider of Education & Training for the Training of Learners at NQF Level 2,3,4,5 No 17-QA/ACC/0333/08
Decentralized Trade Test Centre No. 17-/TA0058/02



Ammonia Safety and Risk Assessment One Day Seminar Represented by: M. Sc. Mech. Eng. Anders Lindborg, Sweden AT:

Date : 23-02-2009 at Kromco, Grabouw, Cape

Date : 25-02-2009 at Nestle, Estcourt, Natal

Date : 27-02-2009 at OTTC Springs, Gauteng

Time : 9.00 am to 16.00 pm

Refreshments / Lunch will be provided

Cost: R 1500.00 excl. 14% VAT

Central Bookings at: Open Trade Training Centre

Contact : Mrs. Isolde Döbelin
Tel/Fax : 011-816-2580 or 011-366-1219
E-mail : ottc@mweb.co.za

I will attend : yes please book the following person

Company Name : Persons to attend:

.....

Tel No:

Fax No:

E-mail:

Comments:

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Ammonia Safety and Risk Assessment

One Day Seminar Represented by:

M. Sc. Mech. Eng. Anders Lindborg, Sweden

Programme:

- **History of Ammonia**
- **Physical and physiological properties presented in an easy way**
- **Personal protection equipment (PPE)**
- **Risk Assessment**
- **Probability in risk assessment**
- **Code and Standards, legal requirements**
- **Design details and trouble shooting in request.**
Send in questions to OTTC in advance.
- **Future in ammonia and natural refrigerants.**
- **Practical demonstrations of anhydrous ammonia.**

Who should attend: All persons working with Ammonia,
Consulting Engineers, Plant Operators, Ammonia Technicians,
Fire Fighters, Health and Safety Inspectors.

Please make early bookings, only limited seats available.

Kind Regards
Isolde Döbelin
Kurt Johannsen
Anders Lindborg

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CV - Curriculum vitae

Anders Lindborg, Nyponvägen 24, 260 40 Viken, Sweden

Phone +46 42 238 155, Mobile +46 708 238 175

E-mail: anders@ammoniapartnership.se

Born 1937 in Stockholm, Sweden

M.Sc. Mech. Eng. at **Royal Technical University** of Stockholm 1962.

Languages: Swedish, English and German.

Specialised in Industrial Refrigeration, Refrigeration Air Conditioning, use of Heat Pumps, Cold Storage, and IQF Food Freezing and Safety related to the use of Ammonia as a Refrigerant. Risk analysis of ammonia and flammable refrigerants. Legal matters.

Fire Safety related to Cold Storage and Food Processing.

Several publications presented world-wide in Industrial Ammonia Refrigeration and related Safety.

UNEP (The Montreal Protocol), Assessment Committees 1986, 1991, 1994, 1998, 2002 and 2004.

CEN TC 182 European Safety and Environmental Standard for Refrigeration Systems and Heat Pumps, **EN 378:2000**, Past Convenor of WG 4 from 1989 and representative for Sweden. Participates in the renewal for **EN 378:2008** and WG 9 "Tightness of Components".

Swedish Refrigeration **Safety Standard**, member of the Reference Group TK 243 since 1965.

Member since October 2006 of European Standard TC 182 WG 9 Tightness of Components.

Employment's:

Stal Refrigeration AB (now Sabroe/York) 1962-1968 (Industrial Refrigeration)

Frigoscandia AB 1968-1995 (Cold stores and Food Freezing)

AGA Gas AB (owner of Frigoscandia) 1975-1992 (Air Separation Plants and Education)

Ammonia Partnership AB (President) 1995- (Private Engineering Consultant), Ammonia Safety, Risk assessments and analysis, legal matters, education.

Memberships:

ASHRAE, American Soc.of Heating, Refrigeration and Air-Cond. Engineers, - Life Member.

IIR/IIF, International Institute of Refrigeration, Paris - Past President Commission D1, (Cold Storage) - Honorary Member.

IIAR, International Institute of Ammonia Refrigeration, Washington DC - Past Director of the Board 1989-1995, - Honorary and Life Member.

DKV, German Refrigeration Association - Member.

AFR, French Refrigeration Association – Former Member.

EFRIARC, Portuguese Refrigeration Association - Honorary Member.

KTF, Swedish Society of Refrigeration – Honorary Member. Past Chairman of Technical Committee.

INSTITUTE of REFRIGERATION, London, - Fellow.

Viken 2009-02-03