

UN/OECD seminar in follow-up to the 2020 Beirut port explosion:

*Lessons learned, experiences and good practices in managing risks
of ammonium nitrate storage, handling and transport in port areas,
preventing accidents and mitigating their consequences*

– Agenda –

Online, 14 December 2021

Part 1: 12:00 – 14:00 (Central European Time)

*Moderated by Michael Struckl,
Chair of seminar's Advisory Group,
Vice-Chair of the UNECE Industrial Accidents Convention's
Bureau (Austria)*

Part 2: 14:30 – 16:30 (Central European Time)

*Moderated by Torill Tandberg, Chair of the UNECE
Industrial Accidents Convention's Bureau and member of
the OECD Working Party on Chemical Accidents' Bureau
(Directorate for Civil Protection, Norway)*

Introduction

- 12:00 – 12:10 **Welcoming remarks**
Dmitry Mariyasin, UNECE Deputy Executive Secretary
*Michael Struckl, Chair of this seminar's Advisory Group, Vice-Chair of the UNECE Industrial Accidents
Convention's Bureau (Austria), Moderator of Part 1*
- 12:10 – 12:15 **Statement from Lebanon**
Zahi Chahine, Head of National Disaster Risk Management Unit, Presidency of the Council of Ministers, Lebanon

1. Ammonium nitrate (AN) and AN-based fertilizers, accidents involving AN and lessons learned

- 12:15 – 12:25 **Characteristics and types of AN and AN-based fertilizers**
Heike Michael-Schulz, Federal Institute for Materials Research and Testing (BAM), Germany
- 12:25 – 12:35 **Lessons learned from past accidents involving AN and AN-based fertilizers**
Maureen Wood, Major Accident Hazard Bureau, European Commission Joint Research Centre
- 12:35 – 12:45 **The Beirut port explosion**
Video investigation produced by Forensic Architecture
- 12:45 – 12:55 **Q&A with Session 1 speakers; please submit all questions through the chat**

2. International legal instruments and recommendations addressing AN and AN-based fertilizers

- 12:55 – 13:05 **Overview of UN/OECD legal instruments and recommendations addressing the storage, handling and
transport of AN and AN-based fertilizers and related accident prevention, preparedness and response**
Rosa Garcia Couto, Scientific Affairs Officer, Sustainable Transport Division, UNECE
Franziska Hirsch, Secretary of the Industrial Accidents Convention, UNECE
- 13:05 – 13:10 **International Maritime Organization's Recommendations on the Safe Transport of Dangerous Cargoes and
Related Activities in Port Areas**
Antti Nironen, Technical Officer, Maritime Safety Division, IMO
- 13:10 – 13:15 **International Labour Organization's Conventions on Chemicals and on the Prevention of Major Industrial
Accidents**
Manal Azzi, Global Team Lead on Occupational Safety and Health, ILO

- 13:15 – 13:20 **UNEP/OCHA Joint Environment Unit’s response and support following the Beirut port explosion**
Margherita Fanchiotti, Programme Management Officer, UNEP/OCHA Joint Environment Unit
- 13:20 – 13:30 **Synthesis of results from the UN/OECD joint survey: Strengths and gaps in implementing legal instruments and recommendations that address AN and AN-based fertilizers and reported challenges**
Joseph Orangias, Consultant, UNECE secretariat to the Industrial Accidents Convention
- 13:30 – 13:40 **Q&A with Session 2 speakers; please submit all questions through the chat**

3. Good practices and lessons learned

- 13:40 – 13:50 **Post-Beirut port explosion actions being taken in France to further increase the safe transport of AN and AN-based fertilizers in port areas**
Claude Pfauvadel, Head of the Mission for the Transport of Dangerous Goods, Ministry of Ecological Transition, France
- 13:50 – 14:00 **Implementation of rules and regulations covering AN and AN-based fertilizers at the Port of Klaipėda**
Vygantas Nagys, Dangerous Cargo Inspector, SE Klaipėda State Seaport Authority, Lithuania
- 14:00 – 14:30 **Break**
- 14:30 – 14:40 **Application of the guide for planners and designers on land-use planning and methodologies for calculating AN risks**
Daisi Käger, Chief inspector of Safety Supervision Bureau, Estonian Rescue Board, Estonia
- 14:40 – 14:50 **Q&A with the above three speakers; please submit all questions through the chat**
- 14:50 – 15:05 **Joint presentation of selected industry practices**
Richard Bilman, Australasian Explosives Industry Safety Group Inc.
Kishore Shah, Fertilizers Europe
Noel Hsu, Institute of Makers of Explosives, SAFEX, National Fire Protection Association
- 15:05 – 15:15 **Brazilian task force in ports and hazmat warehouses: Preventive actions triggered by the Beirut port explosion and São Francisco do Sul incidents**
Philipe Pontes Barbeiro, Environmental Analyst, Brazilian Institute for the Environment and Renewable Natural Resources (Ibama), Brazil
- 15:15 – 15:25 **Rules on inspecting storage and transport sites and port areas with AN and AN-based fertilizers and challenges in their implementation**
Colonel Jurie van Staden, Section Commander of Explosives Control/Office of the Chief Inspector of Explosives, South African Police Service, South Africa
- 15:25 – 15:35 **Guidelines and programs to ensure the safety and security of sites with AN and AN-based fertilizers, following the West Fertilizer Company explosion in Texas in 2013**
Lisa Long, Director of Office of Engineering Safety, Occupational Safety and Health Administration, and on behalf of Environmental Protection Agency, Cybersecurity and Infrastructure Security Agency, United States
- 15:35 – 15:50 **Q&A with the above four speakers; please submit all questions through the chat**

4. Seminar conclusions and closing

- 15:50 – 16:20 **Panel discussion**
Moderated by Rachel McCann, Chair of the OECD Working Party on Chemical Accidents (Health and Safety Executive, United Kingdom of Great Britain and Northern Ireland)
- 16:20 – 16:30 **Summary of the seminar: Lessons learned, challenges and ways forward**
Torill Tandberg, Chair of the UNECE Industrial Accidents Convention’s Bureau and member of the OECD Working Party on Chemical Accidents’ Bureau (Directorate for Civil Protection, Norway), Moderator of Part 2

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