



Chemdata® News

The newsletter for all Chemdata® users, highlighting program developments and other issues of interest to emergency responders.

Chemdata® 2016.2 update

ADR 2017 and a new user authentication system...

The 2016.2 update of Chemdata® is ready for release. Over 1,300 documents have been added or updated meaning there are now over 61,500 substances listed and more than 179,000 synonyms and trade names recorded.

2016.2 is primarily a data update and includes updates for ADR 2017. We will also be making changes to the user authentication system for Chemdata that will enable Pocket Chemdata® users in particular to more easily manage their licences.

We have also been working on new training options and have moved to a new software distribution system. Overall it has been a very busy few months!

This issue's legislation briefing reviews the changes in ADR 2017 and looks forward to Hazmat 2017. Book now to secure your place!

Maria

Chemdata Product Manager

Chemsafe refresher training

NCEC is offering emergency services that use Chemdata® a free* training visit. The aim is to remind them about the use of the Chemsafe line, which is a free service at the point of use (other than phone call charges).

You may already have a training day planned or we can plan a customised visit to suit your needs. During the presentation we remind delegates of the Chemsafe scheme, explain our role and operations, and give an outline of recent changes in legislation. We discuss and provide examples of the calls we take, use Chemdata® to run through some examples and exercises, and answer any questions.

The presentation is aimed at hazmat officers, fire control operators and police officers. We would encourage the attendance of any others who might find it useful (e.g. local Environment Agency representatives). We aim to visit every UK fire and rescue service once every three years, and are hoping to develop a similar visit schedule for UK police forces.

*We may ask you to make a contribution to travel and subsistence costs. There is no charge for the training.

New Chemdata training options now available...

Face-to-face workbook or online training

We have recently developed a new 3½ hour workbook based training session for Chemdata®. The session covers the basics of using Chemdata®, including functionality such as printing, adding private notes, sharing private notes and viewing history logs, as well as using scenarios to show you how to get the most out of Chemdata®.

The training session is chargeable and can be provided either standalone or in conjunction with our Chemsafe or other training presentations. Please [contact us](#) to discuss your requirements and to receive a quotation.



Webinar: The value of proportionate advice

Last year we held a webinar to discuss the value of proportionate advice. The session gave some practical examples demonstrating where a lower level of PPE might be appropriate for some smaller scale incidents and compared the advice given by the Emergency Response Guide (ERG) and the updated Chemdata® documents.

The session is aimed at both existing Chemdata® users and other emergency responders. A free recording is available on our [website](#).



New iOS Pocket Chemdata® app

The 2016.2 iOS Pocket Chemdata® app will only be available via Apple's Volume Purchase Programme.

The 2016.2 update to the iOS Pocket Chemdata® app will be a new app available through Apple's Volume Purchase Programme to organisations that have a current Pocket Chemdata® licence and have supplied us with the email address of the Apple ID used to set up their Volume Purchase Programme account. The Volume Purchase Programme is free for organisations to sign up to. If you have any questions please [contact us](#). The app is planned for release in late February or early March 2017 (subject to approval by Apple). We will notify users once it is available.

The new app will utilise our new User Authentication System, enabling users to manage their licences more easily and removing the need for activation keys.

The screenshot shows the ChemData app interface for Chlorine. At the top, there is a green header with a menu icon, the word 'Advice', and the 'ChemData' logo. Below this is a light green bar with the word 'CHLORINE'. Underneath are four hazard pictograms: a skull and crossbones, a gas cylinder, a flame, and a tree and fish. Below the pictograms, there are two columns of text: 'ADR HIN 265' and 'UN No. 1017' in the first column, and 'EAC 2XE' and 'APP CODE A(c)' in the second. Below this is a purple bar with the heading 'Protection'. Underneath are two bullet points: '• APP CODE - A(c): Gas-tight chemical protective clothing in combination with breathing apparatus, fire kit and thermal resistant overgloves should be worn. The fire kit and overgloves are to provide additional thermal protection against the hazards provided by liquefied gas with a boiling point below -20C.' Below this is another purple bar with the heading 'Hazards'. Underneath are two bullet points: '• Liquefied pressure gas.' and '• Heating will cause pressure rise with risk of bursting and explosion.' At the bottom of the screen is a navigation bar with five icons: a magnifying glass (Search), a list icon (Results), a document icon (Document), a question mark (Help), and a person icon (About).

New software distribution system

Ricardo Box

We have moved our Chemdata® for Windows software distribution onto Ricardo Box, a system similar to DropBox. If you receive software updates you will receive a notification from Ricardo Box that you have been invited to collaborate. Please accept this and follow the instructions to set up your account. You will then receive an automatic notification whenever we upload updates.

New Chemdata® User Authentication System coming soon for everyone...

We are now part way through the deployment of our new User Authentication System, with the system initially going live for our iOS Pocket Chemdata® app users once the 2016.2 update is approved for release. The new system will be integrated into all versions of Chemdata® by the end of 2018 and will enable organisation to easily see how their Chemdata® licences are deployed and to move licences between devices. This will help you to ensure you are making the best use of your licence allocation.

Once the system is rolled out to the Android Pocket Chemdata® app it will also mean the end of activation keys (provided you have an internet connection). After the initial authentication of Chemdata® when you first install the updated apps and programs, the new system will silently check back with our server for licence updates. This means that users will no longer need to update activation keys whenever they renew their subscriptions.

Legislation review

ADR 2017 – a summary of the main changes

ADR 2017 came into force on 1st January 2017, and is available on the UNECE website:

<https://www.unece.org/trans/danger/publi/adr/adr2017/17contentse0.html>.

There is a 6 month transitional period during which ADR 2015 can continue to be followed, up until 30th June 2017. A non-exhaustive list of the significant changes brought in by ADR 2017 is given below:

Polymerizing substances

Polymerizing substances have been added to Class 4.1. These are substances that, without stabilisation, are liable to undergo a strongly exothermic reaction to form larger molecules or polymers under the conditions normally encountered during carriage. Polymerizing substances are classified on the basis of their Self-Accelerating Polymerization Temperature (SAPT) and their heat of reaction, and are divided into two types depending on whether temperature control is required or not.

The new UN numbers for polymerizing substances are set out below:
 UN 3531 POLYMERIZING SUBSTANCE, SOLID, STABILIZED, N.O.S.
 UN 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S.
 UN 3533 POLYMERIZING SUBSTANCE, SOLID, TEMPERATURE CONTROLLED, N.O.S.
 UN 3534 POLYMERIZING SUBSTANCE, LIQUID, TEMPERATURE CONTROLLED, N.O.S.

New UN numbers

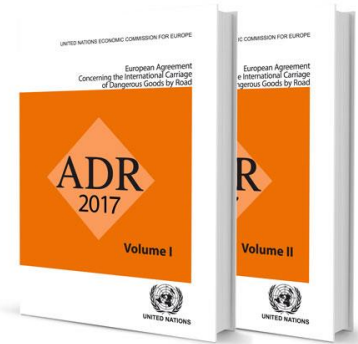
In addition to the new polymerizing substances UN numbers, the following new UN numbers have been introduced in ADR 2017:

- UN 0510 ROCKET MOTORS
- UN 3527 POLYESTER RESIN KIT, solid base material
- UN 3528 ENGINE, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED or ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED or MACHINERY, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED or MACHINERY, FUEL CELL, FLAMMABLE LIQUID POWERED
- UN 3529 ENGINE, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED or ENGINE, FUEL CELL, FLAMMABLE GAS POWERED or MACHINERY, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED or MACHINERY, FUEL CELL, FLAMMABLE GAS POWERED
- UN 3530 ENGINE, INTERNAL COMBUSTION or MACHINERY, INTERNAL COMBUSTION

Lithium battery mark and No.9A label

ADR 2017 introduces a new lithium battery mark for lithium cells and lithium batteries (UN 3090, UN 3091, UN 3480, and UN 3481) that meet the requirements of special provision 188. There is a transitional period up until 31st December 2018 during which the requirements of SP 188 set out in ADR 2015 may still be followed.

Packages containing lithium batteries that do not meet the requirements of SP 188 must carry the new No. 9A label. Again, there is a transitional period up until 31st December 2018 during which time packages may continue to be labelled with the No.9 label, as required by ADR 2015.



Lithium Battery Mark



* Place for UN number(s)

** Place for telephone number for additional information

New No. 9A label



Hazmat 2017

When and where?

24 and 25 May 2017 at Crowne Plaza, Stratford-upon-Avon.
Standard rate (from 1 February 2017) - £745 plus VAT
Optional pre-conference workshop on 23 May 2017 - £125 plus VAT
Accommodation for 23 May 2017 (Bed & Breakfast) - £80 plus VAT

For more information, please visit <http://the-ncec.com/hazmat-2017/>



The Hazmat annual conference is the ultimate forum for hazmat specialists to share experiences and gain knowledge. Celebrating its 10th year, Hazmat continues to provide the opportunity to network with like-minded professionals working in the hazmat and chemical-incident industry. For

our 10th anniversary we will, by popular demand, be returning to picturesque Stratford-upon-Avon. We have also added international media partners to our event sponsors with the aim of attracting more international delegates. We will also be welcoming delegates from the CTIF Hazmat subgroup and ICE, both of whom will be holding meetings prior to the event.

In response to delegate feedback gathered at previous events Hazmat 2017 will again incorporate interactive workshops on a cross-section of subjects as part of the two day conference. Delegates will have the opportunity to register for specific workshops nearer the event, once the topics have been finalised and synopses released. Workshops will include the ever popular Wet Chemistry practical, a session on foam, a session led by the popular Mike Callan from the USA, a scenario led by NCEC and a detailed case study from a UK Fire Service.

Also returning for 2017 will be the optional pre-conference workshop run by Tactical Hazmat and Mike Callan. The workshop will be held at Tactical Hazmat's Lauriston Park facility and will cover 'Street Smart Hazmat'. We will also again be holding a pre-conference barbeque on the evening of 23 May for all delegates staying that night.

How do you think hazmat response will change in the next 10 years?

To mark the 10-year anniversary of the event, we are calling on emergency service personnel to submit what they think will be the most important development in hazardous material response over the next 10 years. To submit your suggestions, please click [here](#). Your answers will form part of the basis of a lively discussion between hazmat experts on the future of hazardous materials response on the second day of the Hazmat 2017 conference.