

BASA Bulletin

INFORMED COMMENT FROM THE BRITISH ADHESIVES & SEALANTS ASSOCIATION

BASA 36th AGM and Industry Lunch saw members speeding to the event!



The venue for the eagerly awaited 2019 BASA Annual lunch was the Jaguar Visitor Centre, Castle Bromwich. This year we decided to try something different and held an Open Industry Forum Meeting immediately before the AGM and Industry Lunch, and Members can read the detailed write up on the OIF on page 4. Instead of a main after lunch speaker, we opted to take all the lunch guests on the Jaguar Factory Tour at Castle Bromwich, which offered an exclusive insight into the creation of the cars, and a unique opportunity to witness the entire production process from sheet metal to Jaguar car. In the state-of-the-art factory, guests witnessed hundreds of robots working in perfect accord with talented craftsmen to produce cars from the inspirational Jaguar range.

Read full article on Page 4

Want to join us next year? Save the date! March 25th 2020

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Wet and waterlogged but most still smiling for BASA Sports Day

BASA's flagship networking event – the BASA Sports Day was once again held at the now completely refurbished Hawkstone Park but alas the weather was less than kind to us this year and winners and losers gathered for the presentation dinner in good spirits if a little damp.

The ever-popular shooting competitions took place at the nearby West Midlands Shooting Grounds and the covered shooting stations were a welcome sight. Unfortunately, the golfers did not have such luxury and only those with stamina completed the 18 holes. Our traditional croquet competition sponsored by Omya UK Ltd took place on the croquet lawn overlooked by the refurbished bar and restaurant, and despite the constant rain (can I call it drizzle?) we managed to assemble 16 committed players for the competition. Thanks to Paul Armitt for helping with the refereeing and tuition, although I think a few rules were broken out of his scrutiny and heavy (probably illegal) tactics helped some to progress to the later stages of the competition! We will be brushing up on the rules next year to correct such scandalous behavior! Ironically this year's croquet bowl trophy was won after a very tactical final game by David Moore... from Sponsors Omya UK Ltd! His competitive instincts could not be dampened by the persistent rain in the final match between him and Neil Sanders from F Ball and Company Ltd.

A total of 68 BASA members and guests attended the presentation dinner, which was enjoyed by all, if the numbers still in the bar at 1am was any indication!

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Still time to book for the BASA 2019 Dinner Dance!

Saturday 30th November at Chester Grosvenor Hotel

We still have a few places left for the BASA Dinner Dance, Saturday 30th November at Chester Grosvenor Hotel. Come and join friends and colleagues for a night of entertainment with our live DJ and new band Shimmer. As well as our usual charity tombola and a magic mirror photo booth, this is a night not to miss!

Book at: www.basaevents.co.uk



Despite the Brexit uncertainty, we now know we have a general election on 12th December and we have not left the EU with no deal. Will the 'leaks' that the current government intends to move away from the EU regulations prove to be founded? As I don't have a crystal ball, I will therefore avoid any further discussion and just say that I hope you are all registered for BASA Members area website access. I would recommend that you select automatic notification on the website and follow the postings on the Brexit page, sending questions to Lorna for the Q&A section, and keeping up to date with the latest guidance.

We continue to say, in conjunction with other chemical related trade associations that we cannot yet identify any case where deviation from EU regulation would be beneficial and we hope that the current situation is resolved and that Parliament can decide on positive action rather than the current 'block-everything' approach.

I hope to see many of you at this year's dinner dance at the Chester Grosvenor, which is being held on 30th November. There is still just enough time to book your tickets for this event which is a great networking opportunity as well as being an entertaining social event. The dates



Chairman:
**Scott
Challoner**

From the Chairman

for the AGM/Industry lunch, Sports Day and 2020 Dinner Dance are available on the BASA website and will soon be posted on our dedicated events website, managed for us by Mint Events (www.basaevents.co.uk), so please make a note of the dates in your diary.

As I have now entered my final 6 months as BASA's chairman, I urge you all to continue to support the Association, which is a valuable voice for our industry. The new Chairman will

be Phillip Lee, MD of Ace Adhesives Ltd and the handover will take place at the 2020 AGM. We have just finalised the location for the 2020 AGM and Industry Lunch, which will be held at Bristol's number one attraction, the SS Great Britain. Brunel's SS Great Britain is one of the most important historic ships in the world. When she was launched in 1843, she was called 'the greatest experiment since the Creation'. We are also adding an Open Industry Forum to the start of the day to give Members an even greater reason to attend what will be an informative day with huge networking opportunities. The final OIF programme will be announced in the New Year, but please make a note of the date for your diaries – March 25th 2020.

Finally, we are looking to increase Company Membership in 2020, so if you have any leads or suggestions please contact Lorna in the BASA office so that we can follow up. We are trying to increase our advocacy activities and want to make sure we represent the whole adhesives and sealants industry. I hope you all have a good Christmas and look forward to the challenges of 2020 whatever they might be!

Brexit

The Secretary's notes for this final Bulletin of 2019 have presented me with some challenges. The Brexit uncertainty has certainly not made 2019 an easy year to manage, and we have struggled with the volume of emails coming from UK government in the last 3 months following the huge no-deal campaign.

As I was driving back yesterday along the M6/A14, reading all the overhead signage warning drivers that the EU documents would change on 1st November, at the same time listening to the news reports that it had been confirmed that Brexit would not happen on 31st October, I had a wry smile!

Chemicals regulation post Brexit is likely to be challenging, and I can only say that I and my hard-working team of Consultants will continue to try to inform and advise members, so please ensure we have the correct contact details via the website. Don't forget that we work with Croner, who offer free access to a Brexit helpline as part of your BASA membership, along with the HR, Employment Law and Tax advice. Check how to get this free telephone advice via the website.

BASA 2020 Handbook

We are wanting to try to get ahead of the update for the 2020 handbook, which is published in March at the AGM. We work with our publisher MA Business to produce the BASA Handbook, and all members are entitled to a free entry as part of their Membership



Secretary:
**Lorna
Williams**

Secretary's notes

Email: secretary@basa.co.uk

subscriptions. There are also a number of enhancements and advertising opportunities available that are arranged directly with MA Business. They will start the process in the next couple of weeks, and your Company nominated data controller will be contacted by MA Business to confirm that you have updated your information on the BASA website, from which the Handbook is compiled.

Sealants Standardisation

This year's ISO meeting was held in Brussels, Belgium from 22nd – 24th October and

information will soon be posted on the website and will be included on the poster presentations at the OIF held on 7th November. Electronic copies of the posters will be available on the website for those who couldn't make the OIF.

We continue to focus on updates to existing standards, which are all referenced in the European harmonised standard that facilitate CE marking. Unfortunately, because of the current issues with harmonised standards in Europe, there has been no resolution to the non-citation of standards, leaving a very confusing situation of a current standard that cannot be used to affix your CE marking and cited standards from 2012 that have been withdrawn.

You may wonder why I am introducing technical comments into my Secretary's notes and this is because I continue to be the sole UK expert attending both ISO and CEN standards committees for sealants, with BASA covering travel costs and my own consultancy covers the time. Please try to feed any comments in via the Sealants WG to assist me to correctly represent the UK. Whatever happens with the EU, the UK will continue to play a full part in both CEN & ISO.

Please look out for advice on the new UKCA mark which will replace the CE mark in the UK eventually (assuming Brexit happens!)

Lawrence Industries provides the adhesive formulator with innovative raw materials, backed up with expert industry knowledge and advice. A number of highly respected raw material manufacturers are on the portfolio, including: BASF kaolin, EVONIK fumed silica and MÜNZING CHEMIE additives. Visit the website to get a better feel for the adhesive additives range (www.li.co.uk).

Lawrence Industries' technical sales managers have a background in chemistry and years of relevant industrial experience and training. A consultative approach is taken to meetings,

wherein the aim is to get you the most relevant products for evaluation - and all of the guidelines needed to get the most out of them.

Over the past 45 years, Lawrence Industries has gone from strength-to-strength.

This organic growth is a result of the real value bought to the diverse and loyal customer base, as well as its suppliers. Get in touch with Lawrence Industries today, to see how the team can help with your next formulation challenge.



INSTARMAC® are named as a 'Great Place to Work®' 2019 UK Best Workplaces™ for Women

Tamworth based Instarmac Group plc are delighted to have been officially named as a 'Great Place to Work®' 2019 UK Best Workplaces™ for Women (medium sized organisation category).

In order to qualify for this prestigious award, Instarmac Group plc had to meet a number of strict criteria, including having already been ranked as a Great Place to Work®, employing a minimum of 25% women in their work force, having a minimum of 25% of women employed in higher positions.

Organisations selected for the Best Workplaces™ for Women go above and beyond for women in their workforce, making sure they are treated fairly when it comes to pay, recognition, training and promotion opportunities, and that work-life balance is promoted and supported. Some of the specifics Instarmac Group plc were

commended for included paying employees equally regardless of their sex, childcare vouchers, flexible and part-time working hours, as well as offering a 'bonus' to those who return to work following their maternity leave.



Zoe Rees, Head of Sales at Instarmac Group plc, commented: "In any business, a workplace culture built on trust and inclusion that supports and empowers women throughout the various stages of their career is

key to sustained company development, collaboration and innovation. At Instarmac we value diversity and feel it creates more, valued, engaged employees and therefore happier customers. Being named in the Best Workplaces™ for Women list is a fantastic achievement and clearly indicates the way in which our company values, empowers, and promotes the contribution of women across all aspects of our business."

This is the third in a hat trick of impressive

workplace awards that Instarmac have received to date this year. Earlier in the year, the growing West Midland Company received a Great Place to Work® award for the third year running and was also presented with the Great Place to Work® Excellence in Wellbeing Award – an award only given to companies who are committed to creating a happier and healthier work environment.

About Instarmac Group Plc
Established over 40 years ago, Instarmac is a multi-award-winning market-leading West Midlands based company that specialises in the manufacture and distribution of cement and bitumen based construction products to the world markets. It aims to apply the foundations of a great workplace – fairness, respect, feeling valued and trusted – to everyone, regardless of who they are. For more information please visit www.instarmac.co.uk/

Please visit the BASA website for the full article under Business Steering Committee in Working Groups.



FEICA Conference 2019 Dubrovnik

Well we had sunshine, sea and stones (no sandy beaches!) in Dubrovnik, the setting for the 2019 FEICA Annual Conference, and also a packed programme of speakers. Joining the event this year were BASA's two winners of the FEICA prize awarded to two younger National Association members to encourage companies to send delegates who would not normally benefit from the networking and technical programmes available.

After careful consideration by BASA's ruling Council earlier in the year, Laura Humphries from F Ball and Company Limited and Teresa Girasoli from FSi Ltd were chosen and both BASA representatives joined the BASA dinner on Wednesday evening after the Welcome Drinks Reception, and also the BASA table at the Conference Dinner on Thursday evening. More importantly they enjoyed the networking opportunity and took advantage of a varied technical programme over the two days.



BASA 36th AGM and Industry Lunch Report

Jaguar Land Rover is a company that brings together two much loved, highly prestigious British car brands. After Tata Motors acquired Jaguar and Land Rover from Ford in 2008, it merged the two marques into a single company and its success has flourished, with memorable vehicles and innovative technologies that add to a long-lasting legacy. The origins of Jaguar can be traced back to a company that began by making motorcycle sidecars in 1922.



The BASA Annual Lunch took place shortly after the 36th BASA AGM on 28th March 2019 and saw industry convene to discuss the most topical issue – Brexit.

We had an excellent interactive business presentation by Simon Hart from RSM UK and some technical input related to Jaguar Landrover by Gary Critchlow from Loughborough University. The presentations can be found on the BASA Members only area of the website if you missed the day. We also had 3 late substitutions for the originally scheduled BEIS speaker Ryan Diggery, to talk about CE marking and trade, also a presentation by DEFRA regarding the dreaded

UK REACH proposal. See the OIF write up below for further details relating to these key areas and what BASA is trying to do to keep members informed and to influence government policy.

This was a fantastic opportunity to network with guests across the industry to discuss what had been an eventful year in our industry. Members who missed the event in 2019 are strongly encouraged to attend the 37th AGM & Industry Lunch on 25th March 2020 at Brunel's SS Great Britain 'The ship that changed the world'. After feedback from Members we will be holding an Open Industry Forum ahead of the AGM once again.

The 36th AGM presented the financial position of the Association as at 31st December 2018 and BASA Technical Officer Jim Palmer gave Members an insight into the numerous technical challenges that our industry faces. We are fortunate to have a great technical team at BASA, with a number of Consultants supporting our very hard-working Working group chairs. The Working Groups are made up and chaired by volunteers from Member Companies, and we



thank them and their sponsoring Companies for the work they put in.

Unlike some trade Associations there is no costs to members to nominate a representative to sit on any of our 5 active working groups, so please get involved if you can. If time or resource are short, then please make sure you at least sign up for website access, and in particular the weekly working group email notifications (one email summarising all new content on all working groups, so you will not be bombarded), so that you can stay on top of the issues. The minutes of the 36th AGM are available on the BASA website Members area.



After the AGM, the 2019 Max Kochmann award was presented to Past BASA Chairman, Mark Louch of Mapei UK Ltd, although he was unable to attend on the day, his award was collected by Mapei Colleague Peter Dube.

AGM Members then moved back to the spectacular glass fronted reception, to enjoy a delicious lunch meal in front of a very shiny Jaguar F-TYPE R-DYNAMIC, followed by a fascinating factory tour.

BASA Open Industry Forum – March 2019



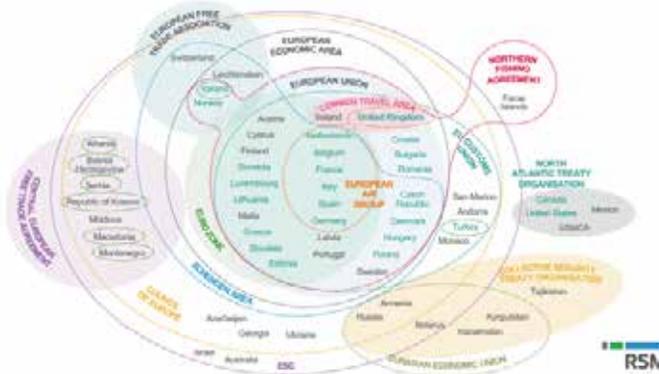
Ring the changes, we decided to attach an Open Industry Forum before the 36th Annual General Meeting to give Members even more incentive to attend. The day started with registration and coffee in the open fronted glass reception of the Jaguar Landrover visitors Centre, allowing members some time to view the working group posters whilst talking with colleagues.

All the poster content and speaker presentations are available for download under the Open Industry Forum General Content section of the BASA Members Only area of the website.

The Open Industry Forum commenced with a presentation by guest speaker Professor Gary Critchlow from Loughborough University talking about the future of adhesive bonding in the automotive sector. Gary covered non-structural and structural bonding, concluding that adhesive bonding has a large

part to play in future developments, particularly because of the need for lightweighting without compromising safety.

We then moved on to Simon Hart's interactive presentation on Brexit, Europe and Global Trade. Simon is Partner, Knowledge Management and Brexit lead for RSM UK, the presentation is well worth a read if you were unable to attend the March Forum. Those who attended either this meeting or the June 2018 meeting will remember his chart that clarified the complexity of the various treaties and trading arrangements.



Slide courtesy of RSM

Simon's summary of the scenarios and outcomes of the relationship with the EU for hard and soft Brexit were thought provoking and informative.

After members listened to a Brexit Update for Industry session, originally scheduled to be presented by Ryan Diggery from BEIS. Due to work commitments, we had three shorter sessions from two of his colleagues from the

BEIS EU Exit Chemicals team and DEFRA, talking about the proposed UK REACH provisions. Benjamin Wells looked at the non-regulatory aspects of EU Exit (tariffs, border changes, VAT, movement of people, personal data transfer and rules of origin), Mike Ashby talked about New Approach Goods in a 'No-Deal' Scenario, i.e. CE marking and the proposed UKCA mark and Simon Johnson from DEFRA clarified any UK framework would mirror the existing EU systems as far as possible in order to minimise costs to industry.

During the questions session following Simon's presentation, the cost of repeating existing EU REACH registration was raised and industry concerns about the implications in terms of companies declining to 're-register' in the UK were voiced. BASA continues to press these concerns with colleagues from the Alliance of Chemical Industries to try to encourage either true grandfathering of existing chemicals or to make initial

no-cost registration of existing EU REACH registered chemicals.

Attendees when asked after the event all felt that adding the OIF to the AGM and Industry Lunch made the day and we are looking to repeat this format in 2020. We would like to encourage all members to think about attending both the OIF/AGM and the industry lunch but remember attendance at the OIF and AGM is FREE for Members.

Economic Update September 2019

The following article was written in September by Economist Roger Martin-Fagg and this is an extract from the full article that is available on the BASA website under BSC working group. Roger had to rewrite his update twice with no thanks to our Prime Minister. No doubt by the time you come to read it, events will have rendered some of it irrelevant!

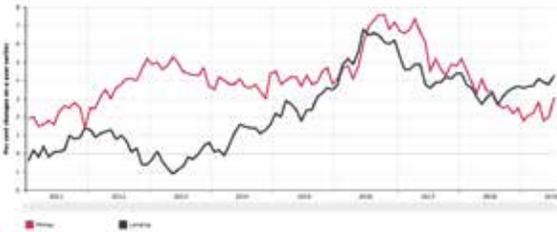
The growth in earnings, plus stable house prices, has created a sense of 'all is well' for the average person in the street. It is a paradox – people think the economy will worsen but their own situation will not. My view is so long as house prices do not fall, and unemployment doesn't increase, people will continue to think their financial position is fine. Additionally, many will have the view that a hard Brexit may create a short recession but then growth will resume at a faster rate as the UK forges new trade deals round the world. It is worth noting, though, that Trump has signed zero trade deals. And post Brexit we still have 708 trading agreements to carry over or renegotiate. In the past three years we have agreed 42 of these.



Roger Martin-Fagg

The UK money supply

Today's Money Supply determines Nominal GDP in two years time

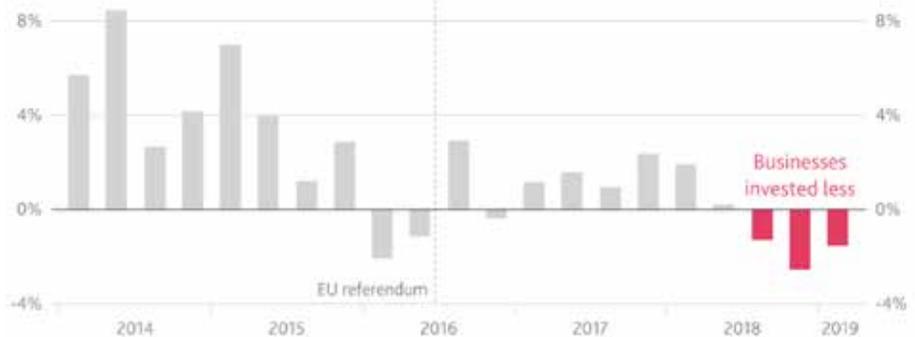


Money supply growth has been half the rate we need for 2% real growth rate. The effect is now beginning to come through after the usual time lag.

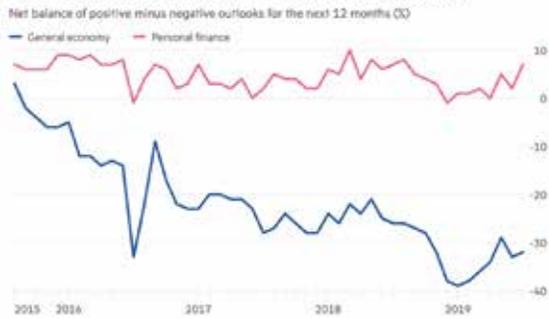
Employment has peaked, albeit at a record level. We will not see unemployment rising until the fourth quarter of this year, but it will. The current strong growth in earnings (4% year-on-year) reflects the high rate of money supply growth in 2016 and 2017. The lower money supply growth which began a year ago will impact in Q4 of this year. There is a faint chink of light, as money supply for August grew by 3%. If this is maintained and we get a transition deal done, a recession will be avoided.

Unfortunately, the UK is now losing the stable inward investment which has financed our trade deficit since the mid-1980s, and which has been a major contributor to our productivity growth.

Business investment growth (% yearly change)



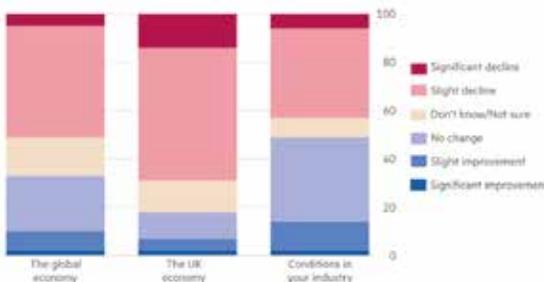
Britons confident about their own finances, but not the economy



Sources: GfK, Refinitiv © FT

Companies are pessimistic about economic prospects

Change expected over next year (% of respondents)



Source: FT/NCA Boardroom Intelligence, Summer 2019 © FT

Combine this with domestic investment and it presents bleak picture. It is very difficult to view Brexit as anything other than an act of self-harm.

I was once introduced as the economist who predicted seven out of the last three recessions. Not true but I state this because I could be wrong. If the data changes so will my opinion. But my current view is we will be close to recession in Q4 2019. And if we have a no deal Brexit a recession.

My guess is UK real GDP will drop between 2 and 3% with a no deal Brexit when comparing Q4 2019 with Q4 2020. If there is a managed exit with a transition period, then I guess no growth compared to a year earlier but we will avoid recession. There are two key variables: the volume of money and how many times it gets spent. What can a business owner manager do about this?

As a behavioural economist I emphasise the fact that people

behave instinctively for 80% of the time. If your business is experiencing difficult times, then your leadership becomes more important than ever. The research is clear: people who exercise power over others tend to be more self-centred and less mindful of the needs of others. They also act as if custom and practice norms of behaviour do not apply to them. Furthermore, they believe they are aware of everything that goes on in their business. (Observe our Prime Minister!)

Meanwhile employees devote much time to interpreting every nuance of the boss' behaviour, looking for signs which may

indicate what will happen to them. As economic conditions deteriorate, employees will need frank and honest communication. It is amazing what people can achieve if the challenge is clearly defined and control is passed to them.

Here is my list of the five key actions:

1. Reduce company debt
2. Define market positioning, distinctiveness, and what makes you compelling
3. Increase the amount of face to face communication with everybody
4. Ask employees to look at ways of enhancing business performance: the opportunity cost of digitisation is lower when customer demand is smaller
5. Automate, particularly back office activities

If cash is tight, limit wage awards but increase the bonus pot for future distribution (and make sure employees know this!) In the last recession many UK owner managers increased their investment (and reduced dividends), they reorganised, they digitised and they flourished. Many of those who didn't are no longer trading.

**Read my full article on the BASA website
Email: Rmfagg@aol.com**

Technical Working Groups

At the Autumn Open Industry Forum this month we now know we did not leave the EU on 31st October. At the time of writing in October, the political situation is still as unclear as it was nearly three years ago. However, we will have representatives from UK Government departments present to discuss and answer questions about the current position and thinking. The protracted political manoeuvring has made forward planning extremely difficult for companies and individuals.

The implications of extracting the UK legislative system from the European system continue to be a major concern. The future implications for CE marking under the CPR (and the proposed UK equivalent regulations) plus the future compliance demands of REACH and, more specifically, UK REACH, with seemingly impossible timescales appear particularly difficult. We are attempting to prepare simple guidance documents to help members deal with these situations.

Of course, the other issues facing our industry continue to progress at varying speeds. Unexpectedly the EC REACH Committee have decided to progress a couple of issues relevant to our industry, despite industries expressed concerns.

These include new diisocyanate restriction proposals, which do not include any provision for product exemptions and require training every 5 years. Industry is required to provide the training material and deliver the training. Although member states will decide the level of training required via their occupational health legislation. The Commission have also notified the WTO on this draft regulation amending Annex XVII to REACH so are confident of the success of their latest proposal. Industry representatives have requested further meetings before the next officials meeting in November.

Also, the Commission has decided to go ahead with the controversial classification of titanium dioxide as a category 2 carcinogen by inhalation.

This will require additional labelling on many products. The industry has lodged an appeal but there seems little hope of preventing this move.

ECHA have also recommended 18 substances (already on the candidate list of SVHCs) for authorisation. Included is bisphenol A, a component of epoxy resin and hardener systems. However, it is possible that as an intermediate substance not present in the final cured resin that it will be exempt from



BASA Technical Officer:
Jim Palmer

TSC overview

authorisation.

You can learn the latest on all these situations and the other activities of the working groups elsewhere in this Bulletin and also at the Open Industry Forum.



Chairman:
Jenny Barnett

Environment & Sustainability

The Environmental and Sustainability Working Group continues to monitor, review and inform members of environmental changes, legislative updates and implications of new regulations/guidance for members, in addition to communicating future considerations and best practice tools.

Standard Rules Permits

The EA has just published a consultation on three new Standard Rules Permits for what are currently Exempt activities:

- T8: mechanically treating end-of-life tyres
- T12: manually treating waste (mattress recycling)
- T4: preparatory treatments, such as baling, sorting, shredding (paper and cardboard baling).

The consultation also includes changes to SR2008 nos 12, 13 and 18. The new Standard Rules permits indicate that anyone currently operating under the three exemptions is unlikely to be able to continue, certainly not without drastic reductions in tonnage

throughput. This may affect members dependant upon their annual waste tonnage as the T4 exemption, which currently allows the baling of up to 150,000 tonnes per year of paper or plastic' is suggested via the original consultation to be reduced to **300 tonnes per year**.

Having to operate under a Permit will not only mean the need to comply with the competence requirements which includes drainage, impermeable surfaces etc, but sites would also need to undertake a fire prevention plan which needs to be approved as compliant. These are reported to be expensive to achieve. It is not known as yet, when the new permit requirements will be applied

Streamlined Energy and Carbon Reporting (SECR)

The SECR came into force in April 2019 and is to be an annual mandatory reporting of energy and transport for qualifying businesses. For a company to be qualifying it needs to meet at least two of the following criteria:

- more than 250 employees;
- turnover over £36m;
- a balance sheet total of over £18m.

Qualifying companies will need to collate energy and carbon emissions data, including for transport, for all sites and identify a suitable energy metric for their operations. Companies will also need to detail any energy efficiency projects undertaken and compile these aspects along with a suitable narrative into in the company's annual report, which is publicly available.

A company with a financial year starting 1st April 2019 will need to comply by 31st March 2020. A company with a financial year starting January 2020 will need to comply by 31st December 2020.

Tackling the plastic problem

February 2019 the government released a consultation entitled "Plastic Packaging Tax: Consultation"

It is proposed that the tax would apply to all plastic packaging manufactured in the UK and unfilled plastic packaging imported into the UK. It would only apply to plastic packaging (as defined by the tax) with less than 30% recycled content.

The summary of responses was received in July which confirmed that:

- The government will still aim at legislation to be introduced before 2022
- The tax will likely be a flat rate per tonne

- The government will consider where in the supply chain the tax applies or how to tax throughout the supply chain without excessive administrative burden. This could be one, several or all of the following:
 - Point of plastic manufacture
 - Fill point
 - Point of sale

The government will set out the next steps at Budget 2019. HMRC will publish a technical consultation on the detail of the tax design at a later date, and publish draft legislation for consultation in 2020.

B/557 Update - Harmonised Standard

The B/557 meeting that was due to be held on 25th of June will now be held on 11th November 2019, this is due to the postponed CEN/TC 351 Plenary Meeting.

The CEN/TC 351 meeting will be held on 15th October 2019 and this is followed by the CEN/TC 351 Conference which will be held 16th – 17th October 2019. Two topics of interest that will be discussed at the conference are:

Basis for CEN/TC 351 test methods under CPR

Characteristics of the mandate: dangerous substances in the indicative list, notified regulations; products in intended use, information for CE marking through harmonised test methods, validation.

Indoor Air

Deliverables, Scope of EN 16516, model room, time frame, next steps, possible additional methods, support of relevant product TCs.

Benchmarking

The Environment & Sustainability Working Group and the Health and Safety Working Group have finalised a set of core measurements in order to produce an industry benchmark. This will be released in the form of an anonymous survey, however it is recognised that the information may require some time to collate in advance.

Brexit, Budgets and Information Dissemination

The next BASA Environmental and Sustainability Group Meeting is scheduled for 11th March 2020, however, it has been agreed that we may call an unscheduled meeting in response to any updates on Brexit. Up to now, it's been a watching brief following calls for evidence but we are aware that activity may increase and therefore the working group activities will correspond accordingly.



Chairman:
Anthony Thresh

Sealants

The implications of the UK's exit from the EU continue to be a major concern for our industry. Members are advised to follow the numerous postings in the media and on the BASA website, which all currently relate to a 'no deal' situation. However, the measures and systems being proposed for 'no deal' are likely to be similar to the requirements at the end of any agreed transition period.

The latest developments being discussed in the REACH Regulation, to review registration of polymers, and the difficulties of translating registrations into any equivalent UK REACH are extremely complicated. Along with the complexity of CE marking, the UKCA mark, notified bodies, approved bodies, declarations of performance and placing on the market in relation to CPR, and UK version of CPR plus the related harmonised or UK approved standards all make the situation worse.

On the standards front non-citation is a continuing problem, where referral to obsolete earlier versions is necessary for CE marking. The new versions, which are not cited, are written to requirements of the CPR and should be used for assessing compliance, but cannot be referenced, whereas the earlier, now obsolete, versions, which should be referenced, were drafted to meet the requirements of the CPD.

The focus for citation by the Commission has changed to the legal rather than technical interpretations and mixtures of voluntary and mandated requirements in the Annex ZA are not now considered acceptable. There is also the question, which version of the standards that the UK will cite for the proposed UK Mark!

Notified bodies testing after Brexit is also of critical concern. Problems associated with the transfer of UK technical documentation from an UK Notified Body to an EU27 Notified Body are being reported. There is a particular problem with products requiring level 3 attestation of conformity, such as non-fire rated sealants, where initial type testing is the only requirement for CE marking and EU27 notified bodies are reluctant to accept the UK notified

body test reports as there is no commercial advantage for them to do so. To try to assist members the BASA office are drafting single page guidance documents explaining the known aspects of each of the above issues.

The Industry Response Group (IRG) formed following the Grenfell Tower disaster have been holding a number of events entitled 'Competence for building a safer future'. However, the updated fire performance requirements set out in the Statutory Instrument following the disaster are causing problems.

For example, sealants seem to be exempt whereas adhesives are not and specifiers are requesting non-combustibility for products in buildings below 18m high and also for internal fittings. BASA is feeding appropriate comments through the Construction Products Association.

The latest situations concerning specific substance legislation including preservatives, titanium dioxide, cyclosiloxanes and diisocyanate restrictions are reported by the Health and Safety Working Group. Finally members are also advised to ensure they are aware of the poison centre notification obligations, which begin to come into force in January 2021.

CE marking of Building & Construction Sealants

Many of you are aware of the issues we have at the moment with CE marking of Building & Construction Sealants. Currently the 2017 published versions cannot be used for your Declaration of Performance allowing CE marking, and the 2012 versions which are cited on the Official Journal of the EU are withdrawn but have to be referred to in your DoP.

It seems a crazy situation and in the immortal words, brought to the general public by Charles Dickens in 1838 'the law is an ass'.

Unfortunately, the latest information from the new HAS Consultant is that the latest amendment of EN 15651-1 standard is still not in compliance with the CPR. The EC don't think that CEN and the Technical Committees can deliver standards in support of the CPR, because the technical community want standards we can use to help our customers choose the correct product!

I will keep everyone informed with progress and proposals via the Sealants Working Group, so keep your fingers crossed that the problems can be resolved!

Technical Working Groups



Chairman:
Jim
Palmer

Packaging Adhesives

At the last meeting of the Packaging Adhesives Working Party (PAWG) our Chair, Simone Wubbe (Eastman) announced that she was taking on a new role within the company and as a result of this change in her activities within Eastman she would have to stand down as Chair of the working group and also as BASA's representative at FEICA's Technical Working Group Paper and Packaging (TWGPP). Simone was warmly thanked for her contribution over the past years by the members of the group.

Until we can find a more permanent solution, it has been agreed by the BASA Technical Steering Committee (TSC) that I would take over as PAWG Chair and Lorna Williams as the FEICA Technical Working Group Paper and Packaging (TWGPP) attendee.

As the general direction of this working group to date has been driven by the FEICA Paper & Packaging TWG, it is worth noting that FEICA has set up a number of responsive groups over the last 13-14 months, with the objective to start the group to deal with specific topic, deal with the topic and shut down the group.

Groups with direct impact on Packaging adhesives are those related to Food Contact Issues:

- Cyclic Esters in polyesters
- Dioxane from polyester PU's
- Glymo food contact
- Food Contact legislation in China
- Paper & Plastics Recycling Advocacy (SRAPPA)

A number of position or guidance papers relating to the first 3 topics are available. In the case of SRAPPA, BASA's Consultant to the group Tony Bingham is representing BASA.

SRAPPA (Sustainability & Recycling of Adhesives in Paper and Packaging Applications) TTF

The FEICA European Technical Board (ETB) has agreed to create a Task Force (TF) on Sustainability and Recycling of Adhesives in

Paper and Packaging Applications (TF SRAPPA). The members of this TF will prepare and coordinate advocacy work towards the European legislators and other stakeholders as needed. Furthermore, an important part of the TF may be to exchange knowledge and opinions amongst members as well as with relevant stakeholders.

Material and information may be shared to the Paper and Packaging Technical Working Group, the sustainable Development Committee and ETB when needed and relevant. Proposals and positions of FEICA will be proposed to the ETB as needed.

The first meeting in July was held via Webex and the next meeting (face-to-face), at the time of printing, was planned for this October. Tony Bingham (FEICA Sustainability Committee) is the current BASA representative on this group.

Circular Economy (CE) featured highly in the discussions and members highlighted topics for the TTF's discussions. Amongst these were recycling of paper packaging, ecolabelling, compostability, definition of 'redispersability' and recycling of multi-layered plastics film packaging.



Chairman:
Neil
Sanders

Building Adhesives & Construction

It would be wrong of me not to at least start with news regarding the European Commission. No, nothing to do with Brexit this time, albeit when this goes to print the one thing that will be guaranteed is the fact that our useless political class will still be taking chunks out of one another regardless of any outcome. The issue of concern to those companies we represent, is the controversial Commission's decision that will lead to titanium dioxide in powder form being labelled as carcinogenic under CLP. For many of us who use this unique powder in products such as ceramic tile grouts and levelling compounds, this will likely result in those mixtures also being classified. Yes, its been

talked about for quite some time, but we all hoped common sense would prevail, especially with the dubious evidence surrounding its proposed classification. It's likely we will now have an 18-month transitional period to get our ducks in a row and label accordingly or find that elusive alternative!

Continuing the EC theme, the convenor and secretary of CEN TC303 were invited by the EC to the Advisory Group meeting, in order to give an explanation on the content of request for new classes and thresholds of performance in FprEN 13813, to proceed as soon as possible to finalise the relevant delegated regulation. In June, the European Commission released a number of draft Delegated Decisions under the CPR including; Classes of performance in relation to compressive strength, flexural strength, bond strength, resistance to indentation, wear resistance and surface hardness for screed materials and floor screeds; AVCP system for floor coverings rigid flooring products, resilient and textile flooring including laminate and modular multilayer floor coverings as well as floor screed materials; and AVCP of liquid-applied water impermeable products.

These draft decisions are for consultation with the Advisory Group, scheduled for 30 November 2019, with an estimated timeframe for publication to the OJEU being the 4th quarter 2019. However, this date may be extended due to European Elections, earlier this year.

CEN/TC 303 have issued an NWI for the revision of prEN 13892-2:2002 to include a clause for determination of density (WI=00303028); the forecasted voting date being 25 September 2020.

The request for the transfer of selected standards EN 1937, EN 12706, EN 13408, EN 13409, EN 13872 which are relevant to screed materials, under the competence of CEN/TC 303, was rejected by CEN/TC 193 explaining that; Hydraulically setting levelling compounds (HSLC) can be tested and classified like screeds acc. to EN 13813 but composition, application and essential properties of HSLC differ from screeds; HSLCs always form a bonding layer between screeds and glued floor coverings. The improvement of the interface performance of adhesives is a major goal for producers of adhesive and HSLC; and the different distribution channels for screeds and adhesives/HSLC reflect the corresponding groups of installers, the manufacturers of HSLC being organized in TC 193/WG 4.

International floor covering adhesive standards have been published for the following and will replace those corresponding EN standards: ISO/DIS 22631 - Test method for adhesives for floor and wall coverings - Peel test. ISO/DIS

22632 - Test method for adhesives for floor and wall coverings - Shear test.

ISO/DIS 22633 - Test method for adhesives for floor coverings and wall coverings – Determination of the dimensional changes of a linoleum floor covering in contact with an adhesive.

ISO/DIS 22635 - Test method for adhesives for plastic or rubber floor coverings or wall coverings – Determination of dimensional changes after accelerated ageing.

ISO/DIS 22637 – Test of adhesives for floor covering - Determination of the electrical resistance of adhesive films and composites. At the recent ISO/TC61/SC11/WG5 meeting in Chengdu, China. ISO/DIS 22636 – Adhesives for floor coverings – Requirement for mechanical and electrical performance, was also approved and subject to some minor editorial changes will be published as an ISO standard. Also at the meeting, a submission to adopt the current European project “Adhesives for floor coverings – Preparation of adhesive application - Test methods for the determination of excessive moisture in substrates” as an ISO project was put on hold subject to support from individual countries. This follows the work currently being undertaken by CEN TC193/WG4 developing this standard. Other new proposals accepted at the meeting included:

Assessment and characteristics of low emission products

Installation of floor coverings, wood flooring, levelling compounds and tiles – Specification of trowel notch sizes

CEN TC/WG4 met earlier in the month in Frankfurt with the main focus working on the development of the moisture standard. Other developments from the meeting:

EN ISO 22636 to replace EN14259 - Adhesives for floor coverings – Requirements for mechanical and electrical performance. CEN TC193 asked ISO/CS for the possibility to join the development of ISO 22636 via the Vienna Agreement. ISO/CS answered that they would not accept any delay as they were about to launch the Draft International Standard (DIS) ballot.

Therefore, it was not possible to join the parallel development and it will only be possible to adopt the finished standard as an EN ISO after publication.

EN ISO 17178 to replace EN 14293 – Adhesives for bonding parquet to subfloor -Test methods and minimum requirements. CEN TC193 started a ballot for adoption of the finished standard as an EN ISO after publication. As a result of the ballot it was approved to adopt ISO 17178 as EN ISO 17178 which will replace EN 14293.

Ceramic Tile Adhesives and Liquid Waterproofing Products Update

It has previously been reported that following a meeting with EC and CCMC, the standards EN 14891 and EN12004-1 from 2017 had been amended to attempt to get a new cited version on the Official Journal of the EU. Currently EN14891 is not cited at all and so there was no possibility of CE marking unless voluntary CE marking to ETAG 022 (or the converted ETA) was chosen. With EN12004-1, this replaced the EN12004 from 2012 which was cited, but written to the provisions of the CPD, and so this leaves us with the wholly unsatisfactory and confusing situation where manufacturers would be measuring performance to the 2017 published versions but must affix CE marking using a Declaration of Performance referencing the 2012 version, which are withdrawn but are the only ones cited on the OJEU! Hopefully you are still with me?

At this stage, you should also be aware that under the CPR, as long as one performance characteristic is declared, manufacturers can affix CE marking, meaning that their customers must read the DoP to compare alternative suppliers, to make sure they are comparing like with like. After all it wouldn't be very fair to compare a low cost cementitious tile adhesive that only met the 28 day tensile adhesion but not the freeze-thaw, heat ageing, or water immersion tensile adhesion!

So, what is the latest?

EN 14891:2017/prA1 and EN 12004-1:2017/prA1 as requested by EC after the meeting on 6th September 2018 at CCMC offices were both submitted to the HAS Consultant pre-assessment and both were negatively assessed and reported as showing a lack of compliance with a request of redrafting them according to the CPR!

Further discussions with CCMC have led to a comment that all TCs really need to meet the criteria of the EC if they want to have hENs cited in the OJEU. In particular the points are:

- Date all the normative references;
- Delete all the installation characteristics;
- Only refer to the essential characteristics from the existing Mandate;
- Take into account the comments from the HAS consultant (e.g. delete CPD terminology, words like requirements, classification, etc);
- Completely remove Clause 7 (Classification and designation);
- Use the latest guidance on AVCP (almost finalised);
- Delete dangerous substances from Annex ZA;



Strictly follow the most recent Annex ZA template.

The drafts that these comments refer to are all on the BA&CP WG website page (dated 19th March 2019).

This news implies that both prEN 12004-1 and prEN 14891 would have to be a much-reduced standard focusing only on the essential characteristics as they relate to the current Mandate and the CPR and their assessment methods.

This is in the view of the EC, what a harmonised standard should contain and following this will increase the probability of citation in the OJEU. Note that even doing this does not guarantee citation!

CEN/TC 67 would need to assess whether experts are prepared to give up on some important technical content in the standard that is not harmonised, or another possible solution is that we prepare a reduced standard that fulfils the requirements of the CPR and mandate and then prepare another standard (e.g. EN 12004-3 to include all the information that was deleted from EN 12004-1, such as installation characteristics, classification, etc).

The debate during the CEN TC 67 Plenary was quite lively, and it is not yet clear which direction we should take.

Other non-CE Marking news – grouts standards

In other news we have requested a 9-month tolerance for prEN 13888-1 Grout for ceramic tiles - Part 1: Requirements, classification, designation, marking and labelling to allow sufficient time to agree to the specification for fast setting grouts. This is due to the UK registering a technical argument that the deviation in results for the round robin test did not match the initially proposed figure. This will push the date for the ENQ draft back to 22nd October 2020, if accepted by CCMC. The delay will also apply to prEN 13888-2 - Grouts for ceramic tiles - Part 2: Test methods as both standards need to be published together.

Technical Working Groups



Chairman:
James Follows

Brexit – let's keep it short and sweet.

The message from the Health and Safety Executive (HSE) regardless of the Brexit outcome is that industry still has duties to protect the health and safety of people affected by work and that will not change with Brexit. You should continue to manage risk in your business in a proportionate way. The HSE have made minor amendments to regulations to remove EU references but legal requirements will remain the same as they are now. Health and safety standards will be maintained.

The HSE website has been revamped so finding information should be easier. To make it even easier for you, take a look at the BASA website for updates applicable to our industry. www.basaonline.com

Chemical updates:

Substances Very High Concern (SVHC): The list now contains 201 substances. The full list can be found here: <https://echa.europa.eu/candidate-list-table>

Most recent updates:

Health & Safety

#	Substance name	EC number	CAS number	Reason for inclusion	Examples of use(s)
1	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	-	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)	Used as a processing aid in the production of fluorinated polymers.
2	2-methoxyethyl acetate	203-772-9	110-49-6	Toxic for reproduction (Article 57c)	solvent
3	4-tert-butylphenol	202-679-0	98-54-4	Endocrine disrupting properties (Article 57(f) - environment)	Manufacture of phenolic and epoxy resins
4	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Endocrine disrupting properties (Article 57(f) - environment)	Used as an antioxidant to stabilise polymers.
5	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8	Endocrine disrupting properties (Article 57(f) - environment)	UV absorber
6	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	Toxic for reproduction (Article 57c)	Used in thermal paper
7	Benzo[k]fluoranthene	205-916-6	207-08-9	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)	Used in plastics
8	Fluoranthene	205-912-4	206-44-0	PBT (Article 57d) vPvB (Article 57e)	Is a constituent of coal tar and petroleum-derived asphalt. Currently, there is no known production or use of this compound
9	Phenanthrene	201-581-5	85-01-8	vPvB (Article 57e)	Used in the manufacture of dyes and plastics
10	Pyrene	204-927-3	129-00-0	PBT (Article 57d) vPvB (Article 57e)	Used in the manufacture of dyes and plastics

Community Rolling Action Plan (CoRAP) updates

If a substance is on this list, it means that a Member State has evaluated or will evaluate it over the coming years. The list is called the Community rolling action plan (CoRAP). For each substance, the table (follow link) shows the evaluating Member State, the (planned) year of evaluation and a short description of the concern which led to it being placed on the list.

Documents to do with substance evaluation are also available here. They include:

documents justifying selection of the substances, decisions to request more information. Member States' conclusions and Member States' final evaluation reports are included for substances for which evaluation has been finalised. Currently 100 substances are to be reviewed during 2019/2020/2021

Visit: <https://echa.europa.eu/information-on-chemicals/evaluation/community-rolling-action-plan/corap-table>

https://echa.europa.eu/documents/10162/13628/corap_update_2019-2021_en.pdf/12451cec-ce6e-d156-5fef-7d09cb77b324

Remember to visit www.basa.uk.com for further information and updates, or if Health and Safety is a subject that interests you and you want to be at the forefront of legislation then why not join the working group. We are a friendly bunch and meet twice a year. Please see the last minutes for the Health and safety working group on the BASA website – member's area for other topics the group is working on. Contact the secretary for more details.

Authorisation updates

ECHA has reviewed the information received from public consultations and recommends the following substances which are applicable to our industry, be included in the REACH Annex XIV, also known as the Authorisation list.

The submitted recommendations are:

Substance	Intrinsic property(ies) referred to in Article 57	Uses	Transitional arrangements		Exempted (categories of) uses	Review periods
			Latest application date	Sunset date		
4,4'-isopropylidenediphenol (bisphenol A; BPA)	Toxic for Reproduction (category 1B); Endocrine disrupting properties (Article 57(f) - human health and environment)	Binding agent in coatings and adhesives.	Date of inclusion in Annex XIV plus 24 months	Latest application date plus 18 months	None	None
Lead oxide sulfate	Toxic for Reproduction (category 1A)	Coating products and polymers.	Date of inclusion in Annex XIV plus 24 months	Latest application date plus 18 months	None	None
Trilead bis(carbonate) dihydroxide	Toxic for Reproduction (category 1A)	Manufacture of cements	Date of inclusion in Annex XIV plus 24 months	Latest application date plus 18 months	None	None
[Phthalato(2-)]dioxotrilead	Toxic for Reproduction (category 1A)	Polymer heat and light stabilizer	Date of inclusion in Annex XIV plus 24 months	Latest application date plus 18 months	None	None
Trilead dioxide phosphonate	Toxic for Reproduction (category 1A)	Stabiliser for coating products and adhesives and sealants.	Date of inclusion in Annex XIV plus 24 months	Latest application date plus 18 months	None	None
Fatty acids, C16-18, lead salts	Toxic for Reproduction (category 1A)	Used in PVC Processing, other polymers & plastic articles	Date of inclusion in Annex XIV plus 24 months	Latest application date plus 18 months	None	None
Dioxobis(stearato)trilead	Toxic for Reproduction (category 1A)	Used in PVC Processing, other polymers & plastic articles	Date of inclusion in Annex XIV plus 24 months	Latest application date plus 18 months	None	None

persistent, bioaccumulative and toxic (PBT)
very persistent and very bioaccumulative (vPvB)



13th & 14th May 2020 - EventCity, Manchester, UK

CHEMUK 2020

UK Chemical Industries Supply Chain Expo

The banner features a collage of images related to the chemical industry, including laboratory equipment, industrial machinery, and people working in various settings.

Consultants Corner



Consultant:
Caroline
Raine

Poison Centres, CLP and Transport Update

Poison Centres – a reminder and an update

Surprisingly there are still people that don't know about the poison centre requirements despite BASA sharing information via the website, at seminars and in the newsletter. So for those of you that don't know about the requirements, read on. And for those of you that do, read on for the updates!

The requirement to notify to Poison Centres has been harmonised in the amendment to the classification, labelling and packaging of substances and mixtures (CLP) (Regulation (EC) No 1272/2008). Commission Regulation 2017/542 was published on the 22nd March 2017 and added a new Annex (Annex VIII) to CLP on harmonised information relating to emergency health response. The full text of the regulation can be found on the EUR-LEX website:

<http://eur-lex.europa.eu/legal-content/EN/TX/T/?uri=CELEX:32017R0542>

Ingredients in mixtures classified as hazardous for physical and/or health effects must be notified. And the regulation describes the information required to be notified and also introduces a new requirement to print a Unique Formula Identifier (UFI) on mixture labels.

Due to some workability issues there will be an amendment to the regulation, which although it hasn't been published yet, it is expected in quarter 4 of 2019. The amendment extends the first deadline by a year, making it the same date as the professional use deadline. The amendment will also allow the UFI to be placed onto the product packaging, rather than the label (although the label will still be acceptable).

The new deadlines are as follows;

- Consumer and Professional use - 1 January 2021
- Industrial use - 1 January 2024
- Extended deadline for those notifications made prior to the new harmonised system – 1st January 2025.

There are still lots of questions and practicalities that need to be finalised before we will know exactly what we are up against. In fact, it is likely that there will be a second amendment to the regulations which will take into account some of the workability issues. The good news is that if you have already made your notification (or are about to) then you will have until 2025 before you need to make the notification in the new format and have a UFI on your labels. Given the short timelines it makes good business sense to notify now and have till 2025 to re-notify under the harmonised format.

14th ATP to CLP

The 14th Adaptation to Technical Progress (ATP) to the Regulation on the classification, labelling and packaging of substances and mixtures (CLP) has been adopted under the new procedures for adoption of delegated acts. If no objections are raised when it is transmitted to the European Parliament and the Council of Ministers then the delegated act will enter into force. It is expected to be published in January 2020 and will become fully applicable in July 2021.

Of particular interest in the 14th ATP to CLP is the classification of titanium dioxide. Titanium dioxide will now [in powder form containing 1% or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] be classified as Carc. 2; H351 (inhalation) suspected of causing cancer.

For mixtures containing titanium dioxide; The label on the packaging of liquid mixtures containing 1 % or more of titanium dioxide particles with aerodynamic diameter equal to or below $10 \mu\text{m}$ shall bear the following statement:

EUH211: 'Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.'

The label on the packaging of solid mixtures containing 1 % or more of titanium dioxide shall bear the following statement: EUH212: 'Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.' In addition, the label on the packaging of liquid and solid mixtures not intended for the general public and not classified as hazardous which are labelled with EUH211 or EUH212, shall bear statement EUH210: https://ec.europa.eu/info/law/better-regulation/initiatives/c-2019-7227_en

13th ATP to CLP - reminder

Applicable from 1 May 2020 the 13th ATP contains updated classification and labeling for a number of substances.

SCIP database – what's coming?

From January 2021 companies will need to submit information to a new database -

Substances of Concern In articles, as such or in complex objects (Products) (SCIP). These are articles that contain Candidate List substances (substances of very high concern (SVHC) (SVHCs)).

This new database will allow companies to meet the obligations under the Waste Framework Directive which requires suppliers of articles containing a on the Candidate List need to provide information on their safe use to ECHA.

A prototype of the database is planned for early 2020, and by July 2020 Member States will have had to transpose the legal requirements into national law.

BASA will keep members up to date with the new database as information becomes available.

GHS Revision 8

Globally Harmonised System (GHS) Revision 8 has been published and is available online in both English and French.

The amendments to the seventh revised edition of the GHS include;

- new classification criteria, hazard communication elements, decision logics and guidance for chemicals under pressure;
- new provisions for the use of in vitro/ex vivo data and non-test methods to assess skin corrosion and skin irritation;
- miscellaneous amendments to clarify the classification criteria for Specific Target Organ Toxicity;
- revised and further rationalized precautionary statements and an editorial revision of Sections 2 and 3 of Annex 3;
- new examples of precautionary pictograms to convey the precautionary statement "Keep out reach of children";
- a new example in Annex 7 addressing labelling of sets or kits; and
- guidance on the identification of dust explosion hazards and the need for risk assessment, prevention, mitigation, and hazard communication.

The English version can be accessed via the UNECE website

http://www.unece.org/fileadmin/DAM/trans/danger/publi/ghs/ghs_rev08/ST-SG-AC10-30-Rev8e.pdf

Transport Regulations

Model Regulations, 21st Revised edition

The United Nations Recommendations on the Transport of Dangerous Goods, Model Regulations, 21st Revised edition is now available in English and French.

The amendments to the Model Regulations on the Transport of Dangerous Goods, include;

- electric storage systems (including lithium batteries installed in cargo transport units and defective batteries)
- explosives
- infectious waste of Category A
- waste gas cartridges
- harmonization with the 2018 Edition of IAEA's Regulations for the Safe Transport of Radioactive Material
- listing of dangerous goods
- update of LC50 values for some toxic gases and use of in vitro skin corrosion methods for classification.

The English version of the model regulations can be downloaded from the UNECE website.

Volume 1

http://www.unece.org/fileadmin/DAM/trans/danger/publi/unrec/rev21/ST-SG-AC10-1r21e_Vol1_WEB.pdf

Volume 2

http://www.unece.org/fileadmin/DAM/trans/danger/publi/unrec/rev21/ST-SG-AC10-1r21e_Vol2_WEB.pdf

A file showing the track changes is also available on the UNECE website (in English only).

Volume 1

http://www.unece.org/fileadmin/DAM/trans/danger/publi/unrec/rev21/ST-SG-AC10-1r21e_Vol1_WEB_track.pdf

Volume 2

http://www.unece.org/fileadmin/DAM/trans/danger/publi/unrec/rev21/ST-SG-AC10-1r21e_Vol2_WEB_track.pdf

IATA publishes significant changes to the 61st Edition of the Dangerous Goods Regulations

The International Air Transport Association (IATA) have published the significant changes to the 61st edition of the Dangerous Goods Regulations (DGR). The changes became effective on the 1st January 2020. The document outlining the changes can be downloaded from the IATA website. <https://www.iata.org/publications/Pages/form-dgr-significant-changes.aspx>

FEICA Video

For those who have not yet seen it, I once again draw your attention to FEICA's excellent video launched at last year's Riga FEICA Conference, the objective of which is to help the public and officials understand the benefits of adhesives and sealants in everyday use.

To see the video go to the BASA website www.basa.uk.com and scroll down to > BASA Publications > 'FEICA VIDEO - the world of Adhesives & Sealants video watch now'



Consultant:
Tony
Bingham

Sustainability Matters

The FEICA Sustainable Development Working Group (WG) last met on May 21st 2019 and its focus is the monitoring of the Commission's activities within the area of Circular Economy and Sustainability, as well as engaging with regulators to ensure the value the European Adhesives and Sealants industry contributes is recognised. Engagement with other relevant stakeholder associations and bodies is also ongoing where appropriate.

Good Practice Stories

The Group has been posting 'Good Practice Stories' on the FEICA public website where there are currently 17 stories, covering industries such as Construction (Energy Saving, Insulation and Extending Life-span), Bookbinding, Packaging, Consumer and Automotive. Please look at these and if you have anything that you would like to submit that helps promote our industry in this area, please get in touch with the BASA Secretary or myself. These stories can be found at: <http://www.feica.eu/information-center/good-practices.aspx>

EPD (Environmental Product Declaration)

FEICA have, for some time, been working to develop 'FEICA Model EPDs that will cover groups of adhesive and sealant technologies for the construction industry. The following text has been taken from the FEICA website to demonstrate what has been achieved so far - for more information, please visit: <http://www.feica.eu/our-priorities/key-projects/epds.aspx>

An Environmental Product Declaration is a comprehensive report created to internationally agreed standards (e.g. ISO 14025, EN 15804, etc.) which documents the ways in which a product affects the environment throughout its life cycle.

Typically an EPD will include information, where relevant, about a product's impact on global warming, ozone depletion, water pollution, ozone creation and greenhouse gas emissions. In the construction sector, EPDs help architects, designers, and other

purchasers to better understand a product's sustainable credentials and environmental impact. As a result, EPDs allow customers to make more informed purchasing decisions.

FEICA is committed to identifying workable solutions for our industry and thus increasing members' engagement with sustainability. We are convinced that the "FEICA Model EPDs" for the adhesive and sealant industry will lead to significant cost and time savings for companies. Moreover, by expanding the range of products with EPDs, it will significantly increase the choice of adhesive and sealant products available to architects and green procurement bodies. It will give SMEs improved access to a market that is otherwise only available to some.

IBU (Institut Bauen und Umwelt e.V.) has published the FEICA Model EPDs for the following systems; PU-based (including One-Component Foams), EPOXY-based, SILANE-based, modified mineral MORTARS, and DISPERSION-based. In 2018, the scope of the PU-based systems was extended to include silane modified polymers (SMP). The above listed FEICA Model EPD's can be downloaded from the FEICA website.

At the May FEICA Sustainable Development Committee meeting it was highlighted that as the work progresses more substances have been identified as being used in the industry than were originally expected and work has begun on a consolidated list.

Ivk Fraunhofer Project – Adhesives

A presentation was given about the 'Circular Economy (CE) Ecodesign and Adhesives' study by the German Association IVK. It is proposed that this will be a topic at the 2020 World Adhesives Conference. There is also a proposal by IVK to organise a European Conference on 'Circular Economy and Adhesives' to take place in Germany next year.

FEICA Outreach Activities

FEICA understands the need to participate in relevant outreach activities in order to a) keep abreast of forthcoming developments (early warning) that could affect our industry, b) ensure that our industry voice and concerns are directed towards the right organisations both governmental and non-governmental and c) work with other trade associations relevant to our industry. A comprehensive list of such proposed activities has been presented to the FEICA Executive Board during the summer and will hopefully be released for our next meeting. Once available, the information will be put onto the BASA website.

The next meeting of the Sustainability Group is November 16th 2019.

A hot topic – the impossibility of developing A1 or A2 sealants?



This article concerns the situation in England with reference to the Building Regulations Approved Document B for Fire Safety, from this point referred to as the Regulation. The UK Government has amended the Building Regulations to prohibit the use of combustible materials in the external walls of buildings in England over 18 metres that contain at least one dwelling. This ban is the result of a review of fire safety, following the Grenfell tower tragedy, and is designed to ensure that the external wall of a building does not provide a medium for fire spread if it is likely to be a risk to health and safety.

It can be rather confusing for BASA members, who may be asked for products for uses outside of the scope of the regulation, or even products that cannot currently comply with non-combustibility requirements. This article will hopefully set the scene and outline the issues.

There are two documents and some exclusions that are not necessarily 100% clear, meaning that with respect to the regulation, it may not yet be possible to develop adhesives that meet the requirement and are still able to function. BASA is working with the Construction Products Association (CPA) to seek clarification of the exclusions. Meanwhile member companies are receiving requests for non-combustible adhesives and sealants for buildings less than 18m above ground level, which is per se excluded from the Regulation.

The key documents, Approved Document B 2019

edition of The Building Regulations 2010, which came into force on 30th August 2019 for use in England, and it's Amendments to the Approved Documents dated April 2019, which contains amendments made between November 2018 and April 2019, are both available via the BASA website on the Technical Steering Committee (TSC) page of the Working Groups.

The Regulation states that subject to some derogations, "... building work shall be carried out so that materials which become part of an external wall, or specified attachment, of a relevant building are of European Classification A2-s1, dO or A1, classified in accordance with BS EN 13501-1:2009 A1:2009 entitled "fire classification of construction products and Building elements. Classification using test data from reaction to fire tests" (ISBN 978 0 580 59861 6) published by the British Standards Institution on



30th March 2007 and amended in November 2009." This Euroclass system, which is the leading standard in Europe for fire safety classification of building materials, consists of the levels A1, A2, B, C, D, E and F. Both A1 and A2 mean that the classified material is non-combustible. (Note: Levels B-F are for combustible materials, although there is quite a wide variety between them.)

BS EN 13501 references a list of materials that can be considered as class A1 without fire testing, on account of their low level of combustibility. Steel and stainless steel, for example, are on this list of class A1 materials. Therefore, no reaction-to fire testing of these materials, or products made from them, is required to comply with The Building (Amendment) Regulations 2018.

However, the Regulation does not apply to a number of exclusions including membranes, seals, gaskets fixings, sealant and backer rods,

intumescent and fire stopping materials and thermal break materials necessary to meet the thermal bridging requirement. (Note: Please read the full list of exclusions in the Regulation.)

As noted above sealants are specifically excluded because of their function, and their necessary organic content, as it is not possible to design a sealant with an A1 or A2 fire performance that performs as a sealant. Adhesives, on the other hand, are considered by some to be fixings (or even sealants), however, they are not specifically excluded, so unless a very low organic content is used in the formulation, it is very difficult to develop an A1/A2 adhesive.

There are some products, containing less than 1% organic content that are automatically classed as A1 from their well-known reaction to fire behaviour, for example silicate based adhesive. Also, products which are made by laminating one of more of the materials listed as Class A1 are also classed as Class A1 without testing if the laminating adhesive does not exceed 0.1% by weight or volume of the total.

It is also permissible is to design a system that will perform to the required level i.e. the combination of components used together will meet the A1/A2 requirement. However, this is expensive and requires suppliers of adhesive and components that require adhesive fixing, to work together. For example, there are some epoxy-based adhesives that when tested in appropriate combination with cladding materials are rated as A1 or A2 for the system – and that would seem to be an acceptable way forward. BASA will continue to seek through the CPA further guidance and clarification.

In conclusion the concern for our industry is that, whilst sealants are apparently specifically exempt from the non-combustible requirements, organic adhesives, designed to be used with non-combustible elements at a fraction of the overall volume/weight are not exempt unless they are classed 'fixings.'

Lorna Williams & Jim Plamer



SURFEX
surface & coatings technology, 100% covered

2020 Exhibition & TechFocus
Ricoh Arena, Coventry, UK
2-3 JUNE

BASA Sports Day 2019 in pictures

SHOOTING – sponsored by Newport Industries Ltd **Glue Gun Competition**

1st and trophy winner scoring 41 and retaining the trophy: Paul Armitt, ITAC Ltd

2nd scoring 39: Scott Challoner, Wacker Chemicals Ltd

3rd scoring 35: Ian Hulmston, Wacker Chemicals

Morning Events

.22 Rifle scoring 24: Paul Armitt, Itac Ltd

Air Rifle scoring 28: Toni Ballie, Rakem Ltd

Multicalibre Rifles scoring 14: Paul Armitt, Itac Ltd

Centre-Fire Rifle scoring 14: Matt Tucker, Rakem Ltd

4-Man Flush (scoring 55/60):

Mike Kenyon, Synthomer Ltd

Neil Sanders, F Ball and Company Ltd

Tony Rook, H B Fuller Ltd

James Hamilton, Kenyon Group Ltd

A special 'Shot of the day' was awarded by the tutors at the West Midland Shooting Ground for the final target of the 4-man flush to Sarah Bolsover from Ardex UK Ltd.

GOLF – sponsored by IMCD UK Ltd

Texas Scramble winning team with a score of 31.6:

Mark Hughes, F Ball and Company Ltd; Fraser Atkinson, FSi Ltd;

Gary Briely, FSi Ltd; Sam Lillie, LKAB Minerals Ltd

Glue Pot Trophy

1st and Trophy Winner scoring 38 points: Nick Burton, H B Fuller Ltd

2nd with a score of 37 points: Sam Lillie, LKAB Minerals Ltd

3rd with a score of 32: Paul Marshall, Henkel UK Ltd

Longest Drive and Closest to the Pin: Craig Alford, Henkel UK Ltd

CROQUET – sponsored by Omya UK Ltd

David Moore, Omya UK Ltd

Save the date.
Join us at the next
Sports Day on 16th
June 2020!

New Member in 2019



Welcome to our newest member **STS Bespoke Handling Equipment**

STS design and manufacture the largest range of drum rotators in the world for lifting and tipping drums and barrels.

"At STS we fully understand that both drum handling safety and operational efficiency is important. We design, develop and engineer quality drum handling equipment to help you protect employees and meet your company's long-term objectives." All of STS's drum-handling equipment is designed and manufactured in the United Kingdom. Based in Hayle, Cornwall, STS are proud to support local people, suppliers and customers.



Why not take a look at their blog at: www.sts-trolleys.co.uk/blog to find handling tips and information about new products, the manual handling industry and exciting milestones within STS.

Member Articles

We are always looking for member articles to publish. If you have any stories that you want to be featured in our next issues then please email to accounts@basa.uk.com We produce 2 a year, one in Spring and one in Autumn

A PDF version of all the previous editions of the BASA Bulletin is available to download on the BASA website under BASA Publications.

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The British Adhesives and Sealants Association,
24 Laurel Close
Mepal, Ely
Cambridgeshire, CB6 2BN
Tel: 03302 233290
E-mail: secretary@basa.uk.com
Website: www.basa.uk.com

**Next Bulletin
submission deadline:
28th February 2020**

What's on

30th November 2019

BASA Dinner Dance, Chester Grosvenor

This year we are doing something different with the entertainment, returning members can look forward to a live DJ. We still have a few places left, go to: www.basaevents.co.uk to book. We look forward to seeing you all there!

2-5th December 2019

Plastics & Paper in Contact with Foodstuffs, Amsterdam, The Netherlands

This renowned conference provides a forum for more than 200 like-minded professionals looking to address topical concerns in the food contact industry and develop their knowledge on how best to comply with the latest regulations.

5th December 2019

Future Trends in Adhesives and Sealants Society of Chemical Industry, London

Organised by the Society of Adhesion and Adhesives, part of IOM3

17th December 2019

Future Materials Conference, University of Leeds

The conference is intended to be a forum for early career materials scientists and engineers from across the UK to come together and present their research on the materials they are developing, with the hope of improving presentation and poster skills, along with initiating collaboration between industry and academia.

25th March 2020

BASA AGM & Industry Lunch, Brunel's SS Great Britain, Bristol

The 2020 event will be held at Brunel's SS Great Britain which is one of the most important historic ships in the world. After feedback from Members we will also be holding an Open Industry Forum ahead of the AGM.

25th March 2020

BASA Open Industry Forum, Brunel's SS Great Britain, Bristol

The Spring Open Industry Forum will be held at Brunel's SS Great Britain ahead of the AGM, full programme details will be available in the new year.

13th-14th May 2020

ChemUK2020, EventCity, Manchester

FREE TO ATTEND - The CHEMUK EXPO & Speaker Programme brings together the UK's industrial chemicals, biochemical, chemicals processing & chemical product formulation industries. BASA will have a stand at the event again in 2020.

2nd-3rd June 2020

SURFEX Exhibition & TechFocus, Ricoh Arena, Coventry

Surfex brings an essential focus to surface coatings technologies and offers attendees an opportunity to discover new ideas, find answers to technical challenges and source information for immediate use in their working environment. More info at www.surfex.co.uk

16th June 2020

BASA Sports Day, Hawkstone Park

Returning to Hawkstone Park Hotel for a day of Golf and the popular West Midlands Shooting ground for the shooting activities. Can't attend the activities during the day? Why not join us in the evening for the Croquet and Presentation Dinner. Bookings will open Spring 2020, look out for the email notifications.

9th-11th September 2020

FEICA European Adhesive & Sealant Conference and EXPO, Marriot Warsaw, Poland

Save the date - bookings will open from March 2020. Visit the conference website to register: www.feica-conferences.com

All events for the year are posted on the BASA website under 'Forthcoming Events' and include direct links to all booking websites and further details.



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