CAMIDA
SOURCE • SUPPLY • SOLUTION

NEWSLETTER
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2021

THE NO COVID, NO BREXIT EDITION!

Serious matters right enough but I think perhaps any editorial comments I might make on these topics would be superfluous – haven't we heard enough elsewhere?!

In this regard
I must just express how much we at Camida have missed personal meetings and interaction with you all.

In fact
One of the most rewarding aspects of the wonderful Industry I find myself privileged to work in all these years is the characters of those I have been involved with.
They are unwaveringly amenable, passionate and professional – it's been a pleasure.

Thus
Not only is the Modern Fine Chemical Industry a hugely important Global success it has also been a delight to work with you all.

This may
Sound like a goodbye – but it's not – I'm not finished yet.

But
It is an opportunity to voice my appreciation for your personal friendship with me and for your professional commitment and loyalty to Camida.
I sure do miss you all though! – And I need a haircut!

As
I write these words it is well before Christmas and I know you won't be reading them until January.

So
I hope some of the troubles the World was in last year have been resolved and I hope you all have a wonderful 2021 – we all need it!

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FROM 1957 ASCENSUS DEVELOPED SODIUM BOROHYDRIDE CATALYST CHEMISTRY ...
... FROM 2020 ASCENSUS SODIUM BOROHYDRIDE AVAILABLE THROUGH CAMIDA...
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Lasenor

Emulsifiers in margarines and spreads

Lasenor´s foundation dates back to 1975 when a small family owned business called "Compte and Rivera" started manufacturing food ingredients and semi-finished products for bakeries in the region of Barcelona, Spain. From the very beginning, the company had international expansion in sight as the emulsifier business was perceived as a global arena. And so, Lasenor became an independent company in 2004 with its own manufacturing unit for Lecithin specialities and molecular distillation for synthetic emulsifiers in the town of Olesa de Montserrat located 30 km East of Barcelona city. Several years later, Lasenor has gone from strength to strength and become a global company with six manufacturing centres across the world: Spain, Argentina, India, Russia, Brazil and the United States. Factories are strategically positioned to make the most of local furnishing of raw materials and thus providing an efficient supply chain of finished goods.

Instant milk powder with Lecithin

Non Lecithinated Milk powder

Lasenor strives to offer the best possible service to their customer base, no matter how big or small the demand. They use state of the art production technology for the most demanding food sectors such as baby food and the organic segment. Their R&D department is determined to improve the performance of their emulsifiers as well as tailor make its properties to adapt to customers' needs.

Lasenor specialises in Lecithin from various botanical origins. Lecithin has a broad application spectrum and can be used as emulsifier and rheology modificatory in chocolate, biscuits, confectionery and bakery goods among many other foodstuffs. Lecithin is also an excellent surface agent that provides solubility of products in powder form in cold water or milk. By spraying a fluidised Lecithin on the surface of a powdered product such as milk, cocoa, whey fractions and others, it provides instant properties such as solubility, "wettability" and "sinkability". Lasenor can offer various systems tailor made to customers' needs such as viscosity, concentration, origin and in non-GMO and baby food grade.

On the other hand, Lasenor manufactures synthetic emulsifiers and crystallisers such as mono- and diglycerides of fatty acids and their esters with acetic, citric, lactic, diacetyl tartaric; polyglycerol fatty acid esters; propylene glycol fatty acid esters and performance triglycerides. There is no such thing as an all-purpose emulsifier and thus selecting the right component is critical to performance in applications such as margarine, baked goods, confectionery, fats and oils etc.

Just this year 2020, Lasenor has commissioned a spray drying plant for production of activated emulsifiers used as whipping agents for bakery and dairy applications. With this recent addition, Lasenor reinforces their sense of direction towards helping the industry to make production more efficient and cost effective.

Lasenor and Camida are joining forces in Ireland with a special focus on delivering tailor made solutions to the dairy sector.

For more information about Lasenor and their products, please contact Camida at +353 52 6125455 or info@camida.com.

Pharmaceutically Pure

There are many confusingly variable means of defining the grade of raw materials used in the Pharmaceutical Manufacturing Industry

This applies mostly to APIs and excipients but also to intermediates and in some cases to other materials and/or industries.
The following is Camida's opinion on the varying terms used. It is not intended to be absolutely definitive! Subjectivity can occur in some (but not all) of these terms:

GMP Grade

Good Manufacturing Practice (GMP) describes the minimum standard that a medicine manufacturer must meet in their production processes. FDA Inspections verify compliance with these standards. Manufacturer of medicines must be GMP certified. The EMA coordinates GMP in Europe.

Advanced intermediates and other raw materials may also be manufactured in a GMP facility but less likely for excipients or more 'basic' chemicals. Excipient GMP is controlled by 'Exipact'.

The terms GMP and cGMP are largely interchangeable with one major difference. The use of the term cGMP implies a commitment to the most current standards, technology and methods being applied to operations.

Pharmaceutical Grade

Obviously, a grade intended for pharmaceutical use but no absolute definition of the quality parameters. Not a definitive term.

Pure Grade

Often used by a manufacturer to differentiate their higher quality material from a (lower quality) technical grade. Not a definitive term.

Pharmacopoeia Grade

A legally binding term guaranteeing and demonstrating conformance to all quality parameters in one or several published pharmacopoeias (e.g. USP, BP, Ph.Eur).
Analysis methods used to guarantee compliance with pharmacopoeias must conform to those published in the pharmacopoeia. This grade is not to be confused with GMP.

ACS Grade

Meets or exceeds standards set by the American Chemical Society. This grade can be acceptable for food, drug or medicinal use but is less regulated than Pharmacopoeia.

There are other designated grades not ordinarily considered for the Life Science Industry such as Reagent, HPLC, NF, Laboratory

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Camida are of course involved in the sourcing and supply of all grades available.

New Borns!

Congrats to Karen and Tom Gleeson (Accounts) on the birth of baby Riley on 24th June and to Áine and David Dempsey (Sales) on the birth of baby Jim on 30th August!

Welcome to our new staff members!

Name: Sarah O'Donnell
Position: Sourcing

I joined Camida in March 2020 as a member of the sourcing team, having previously completed a masters in Immunology from Trinity College Dublin.

My role involves supporting the sales team and handling new enquiries on a daily basis.

I look forward to new challenges and gaining new skills here at Camida.

Many thanks to everyone for such a warm welcome.

Name: Chris Jordan
Position: Sales

Chemistry has been a dependable constant in my career. In my previous role, my experience was particularly focussed on speciality chemicals in industrial applications where we were serving engineering customers such as ABB, Bosch, Siemens, Toyota, Valeo, Rolls Royce, to name just a few.

I would like to comment that it is testament to my colleagues that they have made me feel so welcome in such a short time and especially considering the challenging circumstances since I started, I cannot thank them enough for this!

Milestones!

We are proud to congratulate two of our incredible key members of staff on their work anniversaries in 2020.

We are delighted to acknowledge their wonderful career achievements and thank them sincerely for their commitment and loyalty over the years.

Congratulations ladies!

Breda O 'Dwyer
Logistics Administrator,
Celebrated her 25th
Anniversary in February.

Mary Britton
Accounts Technician,
Celebrated her 30th
Anniversary in July.

Ascensus Specialties Adds Lithium tert-butoxide to their Product Line

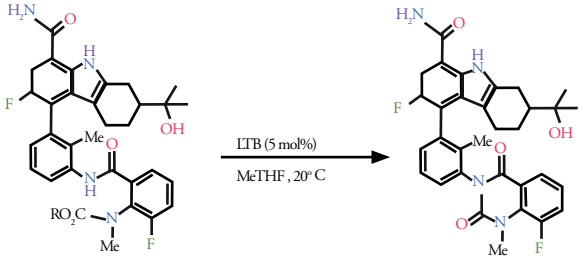
Ascensus's innovative CALLERY™ LTB 120 Solution offers high purity, consistent quality derived from their experienced capabilities, and a high degree of flexibility for targeted transformations.

Lithium tert-butoxide is a strong base useful in a wide variety of chemical reactions and transformations. Some applications include deprotonation of carbamate, esters, and ketone functionalities. These strong bases offer advantages in overall yields, throughputs, and solvent of choice.

Applications that Deliver Results

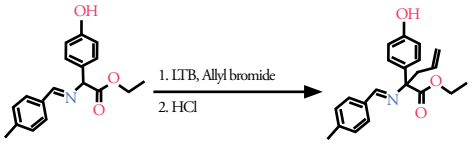
Selective Cyclisations

Wisniewski and co-workers, successfully constructed a chiral axis in high diastereoselectivities using lithium tert-butoxide in the base-mediated cyclisation of a quinazolinedione fragment. Other organic bases gave significantly lower diastereoselectivities in the transformation (>12:1 desired atropisomerversus <6:1 with K or Na bases). The higher diastereoselectivity with LTB is attributed to a preferred Li-Finteraction in the path of the desired atropisomer [Wisniewski, S. R. et al. Org. Proc. Res. Dev. 2018, 22, 1426]



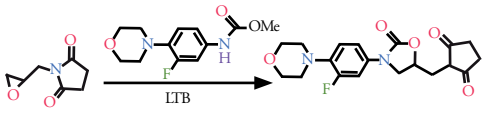
Selective Alkylations & Aminations

Lithium tert-butoxide provided excellent chemoselectivity in the enolate C-alkylation in the presence of a phenol functionality. The Li-O activation significantly increased the carbon versus oxygen selectivity. Potassium bases were ineffective in this type of alkylation. The potassium counter-ion does not form strong O-bond resulting in decreased carbon versus oxygen selectivity during the alkylation step [Savage S.A. et al. Org. Proc. Res.Dev. 2009, 13, 510]



Carbamate Synthesis

The broad solubility of lithium bases in different solvents make LTB highly suitable for pharmaceutical design synthesis. One method is through the unique selectivity for deprotonation of carbamate functionality to generate valuable oxazolidinone intermediates by increasing the conversion to the desired carbamate product. [Perrault, W. R. et al. Org. Proc. Res. Dev. 2003, 7, 533]



Additional Applications

- Selective Rearrangements
- Hawkins olefin synthesis
- Selective Carboxylations
- And more

Packaging

Lab Sample, Pail, Drum, and Bulk packaging available

About Ascensus

Ascensus Specialties is one of the world's leading providers of sodium borohydride, speciality alcoholates, and boranes for a variety of industries.

Their speciality chemistries improve the way their clients create their products by making what they do easier, more efficient, safer and more selective. From their world-class production plants in Elma, Washington and Evans City, Pennsylvania, Ascensus have a global reach that ensures their clients can consistently manufacture their products to the highest standards. What does all of this mean? Ascensus' clients are able to make the best possible products to change people's lives for the better, and Ascensus are able to make the world a better place with chemistry made for what matters.

For more information on Ascensus LTB, please contact Camida at +353 52 6125455 or info@camida.com.

CAMIDA

During Lockdown

Lockdown has been a challenge for every one of us in many different ways.

It has been a challenge for Companies like Camida too, although we are fortunate in that our business has remained positive.

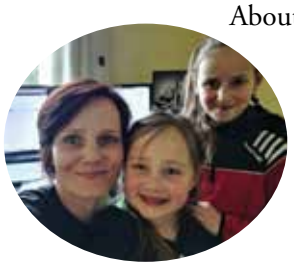
Here are a few snippets of Camida's life through these "Lockdown times".

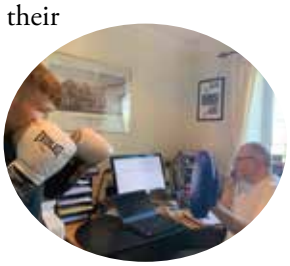
As an "essential business" (suppliers to the pharmaceutical industry) our business
has remained open throughout.

About 10 of our staff worked from our office as usual during the first lockdown.

About 20 of our staff were quickly equipped to work from their homes (as can be seen in the photos).

During this period the Camida office was substantially equipped with glass partitions and many other features to conform to the need for social distancing. This has been a great success and almost all our staff are once again office based.





DURING LOCKDOWN CAMIDA REALLY WANTED TO ASSIST THOSE LESS FORTUNATE IN THE COMMUNITY.

BELOW IS A SUMMARY OF SOME OF OUR "COMMUNITY SUPPORT" DURING THIS PERIOD.

Cuan Saor - Funding provided for essential equipment. Spare laptops sourced.

Clonmel Soup Kitchen - 70 food bags donated weekly for the 5 weeks in May.

Tipperary Volunteer Centre - Large amount of PPE donated for community volunteers.

Tipperary Support - Camida liaised with a local Tipperary Councillor who helps families/ individuals within Tipperary. We supported many families and individuals with food, fuel, heating oil and phone credit for the elderly etc.

Heywood Lodge - 5 food hampers were donated.

Noelie Cabs - Camida paid for transport for those in need and for carers.

Local businesses - Camida supported local bakeries, restaurants and coffee shops.

South Tipperary General Hospital - Supplied 100 dinners twice a week through April & May to front line staff.

Christmas

Camida donated towards the local community via Cllr Imelda Goldsboro and "Make A Change 2020". Imelda does a lot of work in the local community supporting families and individuals who may be struggling.

Times like these provide an opportunity to help those in need:

"If you haven't done much giving in your life – try it and see how you feel afterwards"