



Superior handling &
storage solutions

By DOLAV®

Akku Grain®

Our solution for your Lithium-Ion-Battery handling



- The most innovative protection for Lithium-Ion-Batteries
- The world's first Protective Material
- Patented Technology developed by DOLAV
- The most cost-efficient and safest solution



THE SAFEST, SCALABLE, LIGHTEST AND MOST EFFICIENT
METHOD FOR BATTERY TRANSPORTATION

The Problem Transport and storage of batteries

All the existing solutions for carrying damaged lithium batteries were, up to today, heavy, expensive, and complicated. And yet, in the event of thermal runaway only half as safe.



The Solution - AkkuGrain®

DOLAV has developed, in collaboration with expert scientists, a new (patented) material that is here to make a revolution in the field.

This new solution allows the handling of damaged lithium batteries in plastic box pallets (UN certified) ensuring full protection and safety, while keeping both the cost and weight of the container low.



Safe



UN Certified



Cost Efficient



Lightweight



Customized

Akkugrain is Interactive!

AkkuGrain® ONLY gets active when it's needed due to:

- Development of heat.
- Release of acidic, alkaline or other dangerous substances in case of a thermal runaway.

How does it work?

AkkuGrain® extracts heat from its surroundings and generates steam from water. This steam dilutes the air, preventing fires and explosions.

AkkuGrain® also converts very toxic decomposition products from batteries and accumulators into acids, alkalis and stable substances.

AkkuGrain® neutralize acids such as hydrofluoric acid (HF) or alkalis such as lithium hydroxide (LiOH).

Hydrocarbons (HC), hydrogen or methane are no longer ignitable and explosive due to the dilution with water vapor, which prevents dangerous and unpredictable explosions.



Thanks to AkkuGrain®, the AEGL- 2 values for hydrofluoric acid (HF) remain far below the required limit values of the UN-Authorities even in the event of an accident.

Capture the advantages of AkkuGrain and bring your transport safety to a new level



AkkuGrain® reduces the temperature within carriage in the event of a thermal runaway.



AkkuGrain® is officially certified as non-flammable material.



If a thermal runaway takes place, AkkuGrain® filters dangerous and toxic decomposition products.



You can re-use the material and bags if no thermal runaway took place.



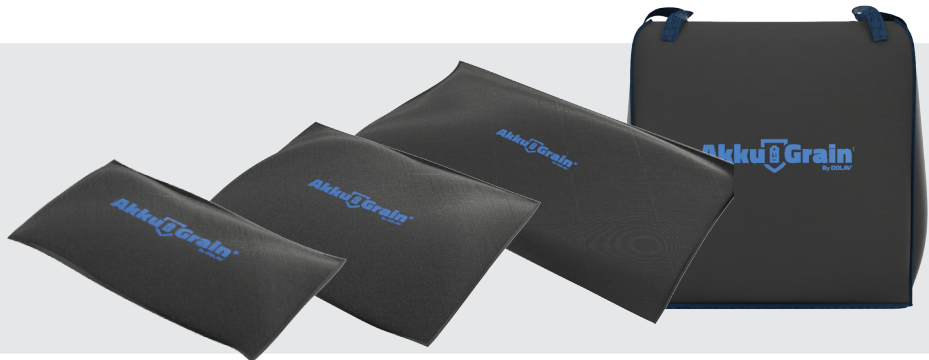
Because of its specific density, AkkuGrain is only half as heavy as sand, which improves your eco-footprint.



Available in different shapes and sizes - be equipped for every occasion!

Customize your best solution!

Pick your AkkuGrain® Bags



Pick the size of your Box Pallet



Get the whole solution



Technical Data

		Certification	External dimension (L x W x H)	Internal dimension (L x W x H)	Max. load
	ACE 1000- UN 4H2	UN 4H2 / Y446 / S / [year] / F / BVT38629 / DOLAV	1200 x 1000 x 740 mm	1128 x 928 x 585 mm	400 kg
	Type 800 - UN 4H2	UN 4H2/Y438/S / [year] / F / BVT386211 / DOLAV	1200 x 800 x 740 mm	1120 x 720 x 600 mm	400 kg
	ACE 1000 - SH1140 - UN50H	UN 50H / Y / [month,year] / F / DOLAV / BVT386213 / 1260 / 700	1200 x 1000 x 1140 mm	1128 X 928 X 985 mm	700 kg
	Type 800 - SH540 UN4H2	UN 4H2/Y438/S / [year] / F / BVT386211 / DOLAV	1200 x 800 x 540 mm	1120 x 720 x 460 mm	400 kg
	ACE 1000 - UN 50H	UN 50H / Y / [mm,yy] / F/ DOLAV / BVT38622 / 1950 / 550	1200 x 1000 x 740 mm	1128x 928 x 585 mm	550 kg

Need a Solutions for Damaged Batteries?

Contact our specialists! We can supply the safest method for damaged battery transportation and storage.

DOLAV®

Tried. Trusted. Best.



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