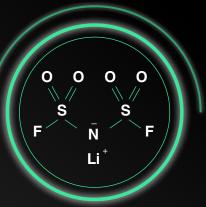


# Powering a new generation of long range long life Electric Vehicles

# What is IONEL<sup>™</sup>?



IONEL<sup>™</sup> (LiFSI) is an advanced lithium salt used in Lithium-ion batteries powering Electric Vehicles



### Why choose IONEL<sup>™</sup>?

Higher performance Improves charge/ discharge and low-temperature performance Longer lasting Improves cycle life at all temperatures

#### **IONEL<sup>™</sup>** technical features

High purity >99.9% Ultra low HF Advanced technology for near zero acid content

#### Safer Suppresses cell swelling at all temperatures

#### Versatile and reliable

Used as a primary salt or an additive for Lithium-ion batteries; produced commercially since 2013

# ow HF Compliant

With all EU standards and regulations

#### Patented

For material and composition\*

## About Nippon Shokubai

1941 Established c.80 years 1.9bn €

Market capitalisation

Global

Facilities globally including Belgium, China, Indonesia, Japan, Korea, Singapore, USA

# Growing European presence

Participation in industry bodies and regulation discussions

\* Including EP2505551B1, EP2578533B1, EP2958183B1 and more. For a full list of IONEL<sup>™</sup> patents go to https://www.shokubai.co.jp/en/news/news0256.html

Nippon Shokubai Co. Ltd. has a number of intellectual properties for LiFSI. For more information go to the website at www.shokubai.co.jp