



IONEL™

Powering a new generation of
long range long life Electric Vehicles

What is IONEL™?



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



Why choose IONEL™?

Higher performance

Improves charge/
discharge and
low-temperature
performance

Longer lasting

Improves cycle
life at all temperatures

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

IONEL™ technical features

High purity

>99.9%

Ultra low HF

Advanced technology
for near zero acid
content

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™ patents go to <https://www.shokubai.co.jp/en/news/news0256.html>