



TRANSPORTATION CERTIFICATE

Ref. TC-LSH 20 01/2009- 10

This is to certify that the Saft cell type, **LSH 20**, has been subjected and has met the requirements of the UN Recommendations on the Transport of Dangerous Goods, Part III, sub-section 38.3, Manual of Tests and Criteria - 4th Revised edition - 2003 - Ref. ST/SG/AC.10/11/Rev. 4

The results are detailed in Saft-Poitiers internal report P0468-06, dated 08/2006.

Concerned Part Numbers : 03577R, and all the part numbers relative to single LSH 20 cells, whatever their finish mode (with and without end-tabs or wiring and connector assemblies, etc.).

Product Description

Primary (non-rechargeable), Lithium-Thionyl Chloride (Li-SOCl₂) D-sized spiral cell, with a 5A protection fuse.

Nominal Voltage	3.6 Volts
Nominal Capacity	13.0 Ah
Lithium metal content	3.78 grams
Nominal energy	46.8 Wh
Maximum recommended continuous discharge current	1.8 A

Product Classification

Worldwide, besides the United States of America

Since it passes the UN-defined transport tests, but has a lithium metal content above the 1 gram limit, **the LSH 20 single cell with a 5A protection fuse, in all of its finished versions, according to the current UN Recommendations on the Transport of Dangerous Goods - Model regulations, is declared non-exempt from the Dangerous Goods Regulations. It is restricted to transport / assigned to Class 9** and must be packed in accordance with the Packing Instructions of the applicable Handbooks and Codes issued by the bodies (IATA-ICAO, IMO, ADR, US-DOT, etc.) that are in charge of regulating the transportation of dangerous goods.

Within the United States of America

The U.S. DOT CFR 49 Regulations, Parts 171, 172, 173 and 175, are governing the transportation of lithium cells and batteries. Special Provision 188 (in Part 172.102) **defines the LSH 20 single lithium metal cell, in all of its finished versions, as belonging to the "medium primary lithium cell" category, and details the requirements to be met for the different transportation conditions.**

Signed on Behalf of Saft, Specialty Battery Group

Pascal Hans SBG Quality Manager

dated 23/01/2009

Nicolas Paquin SBG Lithium Product Manager

dated 23/01/2009