

Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

Sub-Committee of Experts on the Transport of Dangerous Goods

21 November 2023

Sixty-third session

Geneva, 27 November-6 December 2023

Item 3 of the provisional agenda

Listing, classification and packing

Present and future products in the LPG industry: Addition of a new special provision to UN Numbers UN 1075 and UN 1965

Endorsements of the supporting information, research and testing in informal document INF.19 (63rd session)

Submitted by the World LPG Association (WLPGA)

Executive summary: WLPGA submitted informal document INF.18 (63rd session) requesting the addition of a new special provision to UN numbers UN 1075 and UN 1965 to allow up to 12% by mass of Dimethyl Ether (UN 1033) to be added to LPG that is assigned to either of these UN numbers. It also submitted informal document INF.19 (63rd session) providing additional supporting information, research and testing carried out.

This additional informal document contains copies of the endorsements by Risktec TUV and by KIWA Technology B.V. for the paper containing the supporting information, research and testing undertaken by the WLPGA described in informal document INF.19 (63rd session).

Action to be taken To be read in conjunction with informal document INF.19 (63rd session) submitted with the supporting information, research and testing in support of informal document INF.18 (63rd session) submitted by WLPGA requesting the addition of a new special provision to UN numbers UN 1075 and UN 1965.

Related documents: Informal document INF.18 (63rd session) and informal document INF.19 (63rd session).

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16th November 2023

Our Ref: WLPGA-01-C-23

Subject – Risktec Endorsement of Drop-in Blend Paper (Ref. UN/SCETDG/63/INF.19)

To whom it may concern,

Please find below Risktec's endorsement of the drop in blend paper.

Risktec confirms that the WLPGA report 'Drop-in' DME Blend Ratio Determination Considerations, Ref. UN/SCETDG/63/INF.19 presents an rDME blend ratio which is justified, based on identification and assessment of potential risks and uncertainties. This work has been completed using a structured and systematic approach, which has been adopted to identify all reasonably foreseeable risks, with participation from a large number of subject matter experts. Where risks have been identified, suitable work has been carried out, or has been actioned, to reduce uncertainty and implement controls such that risks are managed to As Low As Reasonably Practicable (ALARP). Risktec endorses the approach taken by the WLPGA for this work, which aims to ensure the safety of the industry it represents, as it attempts to find suitable low carbon solutions to address climate change in an ethical manner.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Sheryl Hurst'.

Sheryl Hurst
for Risktec Solutions Limited



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subject Endorsement of the technical paper on 'Drop-in' DME Blend
Ratio Determination Considerations
Email maurits.doelman@kiwa.com
date 9 November 2023
reference 638344363869180821

To whom it may concern,

This letter is to state that Kiwa endorses the technical findings and conclusions as described in the technical paper titled "'Drop-in' DME Blend Ratio Determination Considerations", issued by the World LPG Association (WLPGA) and reflected in UN submission UN-SCETDG-63-INF19e.

Kiwa is a Dutch company with over 10,000 employees, globally active in testing, inspection and certification services, complemented with technical consultancy and training. We have a solid background in the energy sector and are active in the complete supply chain from production to utilization of e.g. natural gas, and LPG. Currently we are focusing on the energy transition and renewable fuels like hydrogen, biomethane and DME. Besides offering these technical services our experts are sharing their knowledge in national and international standardization committees.

Kiwa has carefully evaluated the contents of this paper and its technical sources and agree with the conclusions drawn. The technical findings of the DME research and testing work Kiwa has been directly involved in, have been correctly summarized and written down. To the best of understanding of Kiwa, the work by other parties and the WLPGA has also been correctly represented. Any comments Kiwa had regarding the contents of this document have been dealt with in a satisfactory manner.

We hope to have informed you of the endorsement of the technical paper by Kiwa clearly and concisely.

Best regards,


S.T.M. Delnooz
Unit Manager
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