

19<sup>th</sup> November, 2014

To whom it may concern,

Thank you for your request for information on the Solberg RE, Healing Foam Concentrates compliance to the draft legislation.

Solberg RE, HEALING™ (RF) Foam concentrates are formulated using a new high performance synthetic foam technology that is completely free of all fluorinated compounds, be it fluorosurfactants, fluoropolymer, or any other organofluorines. RE, HEALING Foam concentrates from Solberg are an innovative environmentally sustainable fluorosurfactant, free and fluoropolymer, free firefighting foam used to effectively extinguish Class B hydrocarbon fuels with no environmental concerns for persistence, bioaccumulation or toxic breakdown. Solberg RE, HEALING Foam can be used with fresh, sea or brackish water and possess excellent fire extinguishment and superior burn back resistance due to its flow and rapid sealing characteristics.

Solberg will warrant to purchasers of RE, HEALING foam concentrate, that for twenty (20) years after the purchase, whether as part of a foam/water fire protection system or as foam concentrate only, the use of RE, HEALING foam will not be restricted in any way due to the presence of any organofluorine, whether in surfactants, polymers, or any other form. The environmental warranty also includes the provision that **SOLBERG REO HEALING foam concentrate will not be banned by any governmental entity, or regulatory body, for any of the following environmental issues:**

- No Governmental restrictions related to the presence of fluorine
- No persistence in the environment
- No bioaccumulation
- No PFOS or PFOA
- No biodegradation into PFOS or PFOA

Please review the Solberg RE-HEALING™ Foam Environmental Warranty for further details.

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To directly answer the questions for the Solberg Re-Healing foam concentrate raised by Rio Tinto, please see the following question and answers below:

*Q1. Does the Foam concentrate contain ANY PFOS?*

**A1. Solberg RE-HEALING Foam does NOT contain ANY PFOS**

*Q2. Does the Foam concentrate contain ANY PFOA, OR ANYTHING THAT DEGRADES OR CONVERTS TO THOSE COMPOUNDS?*

**A2. Solberg RE-HEALING Foam does NOT contain any PFOA, OR ANYTHING THAT DEGRADES OR CONVERT TO THOSE COMPOUNDS.**

*Q3. Does the Foam concentrate contain any Fluorochemicals / Fluorotelomers / PFAS's (such as 8:2FTS and 6:2FTS)?*

**A3. Solberg RE-HEALING Foam does NOT contain any Fluorochemicals / Fluorotelomers / PFAS's (such as 8:2FTS and 6:2FTS). Solberg RE-HEALING™ Foam concentrates are completely free of all fluorinated compounds, be it fluorosurfactants, fluoropolymers, or any other organofluorine.**

*Q4. Is your foam concentrate fully biodegradable (100% biodegradable)?*

**A4. Solberg RE-HEALING Foam Concentrate is fully biodegradable (100% biodegradable). NO PERSISTENCE, NO BIOACCUMULATION and NO TOXIC BREAKDOWN. For further information please review the Solberg Product Environmental Data Sheets (PEDS).**

*Q5. What is the correct disposal method of you foam concentrate to ensure no breach of local government legislations?*

**A5. For disposal of unused, contained or collected Re-Healing Foam, Solberg recommends disposing of the RE-HEALING Foam by slowly discharging waste to a properly operating wastewater treatment system. Solberg RE-HEALING Foam has no effect on activated sludge (OECD Guideline 209) at concentrations of 1000mg/L (30-Min& 3-Hr). Therefore, Solberg RE-HEALING Foam can be added to a waste stream at concentrations of >1000mg/L without effecting activated sludge in a wastewater treatment facility. If foaming occurs, reduce the discharge rate. Since regulations vary, consult applicable regulators, or authorities, before disposal.**

*Q6. Does your company provide an environmental warranty for your foam concentrate?*

**A6. YES. Solberg will warrant to purchasers of RE-HEALING foam concentrate, that for twenty (20) years after the purchase, whether as part of a foam/water fire protection system or as foam concentrate only, the use of RE-HEALING foam will not be restricted in any way due to the presence of any organofluorine, whether in surfactants, polymers, or any other form. Please**



review the Solberg RE-HEALING™ Foam Environmental Warranty for further details.

In addition to its outstanding environmental credentials Solberg RE-HEALING Foam also delivers high fire performance and long drain times to provide superior vapour suppression. The RE-HEALING Foam Concentrates from Solberg has been tested to and meets Underwriters' Laboratories, Inc. (UL) Standard 162; Underwriters' Laboratories of Canada (ULC) Listed; FM Approved Standard 5130; European Standard EN 1568 Part 3 & 4; International Civil Aviation Organization (ICAO) Level B and C; and certified to the stringent performance standard of LASTFire.

Solberg is able to provide a range of foams for both Class A and Class B fuel fires. Should you require any further clarification or information on the Solberg firefighting foam and equipment range, then please do not hesitate to contact me.

Yours sincerely,

**James Perriss**

**Sales Manager** - Eastern Australia, New Zealand and Pacific Islands

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