

2018

## Inland Type I ADF Concentrate

Each winter season, **Inland Technologies** recycles tens of millions of litres of glycol-impacted stormwater from airports around the world. Contaminated stormwater typically contains millions of litres of glycol that can be reclaimed for reuse as feedstock for aircraft de-icing fluid and other industrial products.

Inland is an approved manufacturer of **Type I Aircraft De-icing Fluid (ADF)**. In Canada, Inland manufactures Type I ADF at Halifax International Airport (YHZ) and Calgary International Airport (YYZ).

Crafted from feedstock comprised entirely of re-manufactured glycols, Inland's Type I ADF Concentrate meets or exceeds the specifications of AMS 1424 (latest version) and is fully compatible with Dow Chemical's UCAR Type I ADF. Inland's recycled Type I ADF meets all technical standards.

Inland's recycling process begins with our **Glycol Concentrator**. The raw effluent is initially treated to bring the glycol



Inland's Type I ADF Concentrate is based on a formulation of reclaimed glycol feedstock and manufactured at airport locations to offer increased reliability and availability.

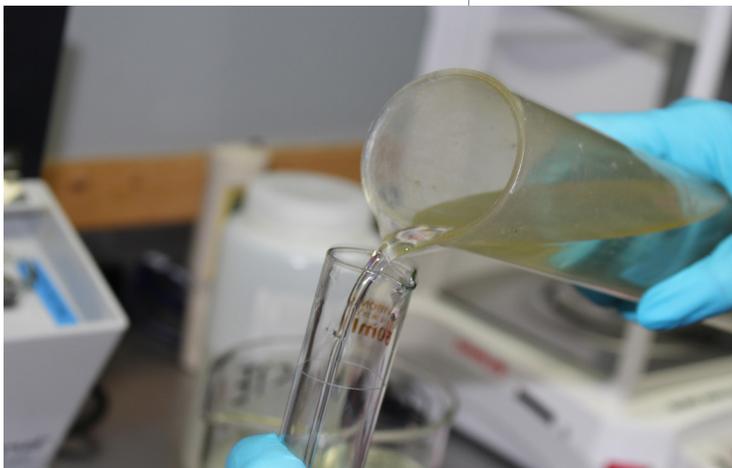
content to an approximate 50% level. This treatment is followed by a distillation process using our **Starcevic Distillation System™**, followed by multi-step polishing that removes trace contaminants. By the time the material enters our system for re-use.

As our operations are typically located at or near an airport, Inland can offer airlines a continuous and reliable on-airport supply of Type I ADF.

Through the use of Inland's reclaimed glycol, and the significant reduction in transportation required to ship Type

I ADF from an off-site facility, the carbon footprint associated with de-icing is reduced.

**Contact** Inland Technologies Canada to obtain further product details by phone, toll-free at 1-877-633-5263 or email your requests to: [marketing@inlandgroup.ca](mailto:marketing@inlandgroup.ca).



### Product Specifications

PHYSICAL PROPERTIES	METHOD / INSTRUMENT	RESULT
Colour	Visual	Orange
Refractive Index @ 20°C (BRIX)	ASTM D1747	50.5—53.5
pH, Neat, @25°C	ASTM E70	7.5 - 8.5
Specific Gravity @ 20°C	ASTM D4052	1.105 - 1.125