

RE-USING GLYCOL...

...a more eco-friendly alternative



ABOUT RECYCTEC

We have developed a globally unique purification method, whereby we purify used glycol so that it can be re-used.

From used glycol we produce, with our globally unique model, new re-usable glycol with concentrations up to 98.5% depending on customer requirements. With our re-used glycol, companies are able to offer more eco-friendly options.

This technique will help to save the earth's resources, since glycol is extracted from crude oil and is a non-renewable resource. In addition, glycol is a scarce commodity since demand is consistently higher than the supply.

Glycol is used in a number of different industries and there is an abundance of areas of use.

In this ebook we highlight some of the most common areas of use for glycol.

www.recyctec.se





AIRPORTS

Airports are major users of glycol. For safety in winter, the wings of aircraft and the runways are de-iced using glycol. This means that chemicals end up on the runways, which must be handled. According to requirements, at least 70% of the glycol used in de-icing must be collected. Most airports have a sophisticated and satisfactory collection method. Following collection and evaporation, wherein water is removed, glycol and metals remain, which are sent to be recycled and managed as hazardous waste.

With Recyctec's assistance, airports are able to gain both financial and environmental advantages. Airports will be able to become nearly self-sufficient since the glycol can be re-used time and time again with Recyctec's help.





AUTOMOTIVE INDUSTRY

Vehicles and their cooling systems are perhaps what consumers associate most with glycol. When a vehicle is taken for a glycol replacement, the workshop will charge an environmental fee since glycol is classified as a hazardous waste. The workshop must ensure that the used and dirty glycol is disposed of correctly. It must be managed so there is no risk of it ending up in the sewage system or causing damage to the environment. Most workshops are environmentally responsible, however some waste is still illegally dumped in our sewage. This is how the hazardous waste reaches our environment, which can create major problems.

By working alongside Recyctec, the automotive industry can actually impact today's glycol management by ensuring the quality of the handling process and filling with re-used glycol. For example, each new vehicle that rolls out from an automotive plant can be filled with re-used glycol, which will enable automotive manufacturers to take another step in keeping their environmental promises.

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MUNICIPALITIES

Today, most used glycol is incinerated. We currently collaborate with a number of recycling companies to take a more eco-friendly step towards managing glycol.

Recyctec has agreements with some municipalities for glycol management. Municipalities work according to the so-called 'waste hierarchy', which provides a hierarchy for the order in which various methods for managing waste should be used. It is based on the EU directive and is a method for achieving the EU's environmental objectives. In co-operation with us, they will be able to contribute to taking glycol management from step four to step two in the waste hierarchy, meaning instead of energy extraction (incineration) of the glycol, we jointly take the step to re-use.



OUR VISION

Our aim is to establish our method globally via Recyctec Holding AB. Today, we have one facility (Recyctec AB) in Sweden. As part of our further global expansion, we (together with joint-owner Richy Ocean International Ltd) have also formed Recyctec Asia Ltd, which has its domicile in Hong Kong.

We have thus taken the first step in the planned licensing of the company's methods in South-East Asia. Recyctec Asia Ltd is 50% owned by Richy Ocean International Ltd, and 50% by Recyctec Holding AB.







USING A GLOBALLY UNIQUE METHOD, WE PURIFY USED GLYCOL SO THAT IT CAN BE RE-USED

We have developed a globally unique purification method

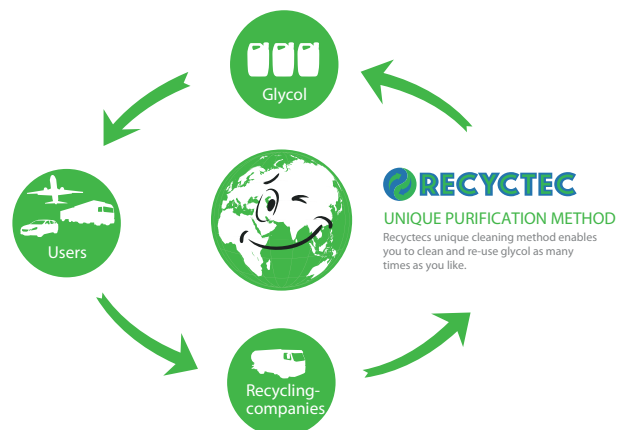
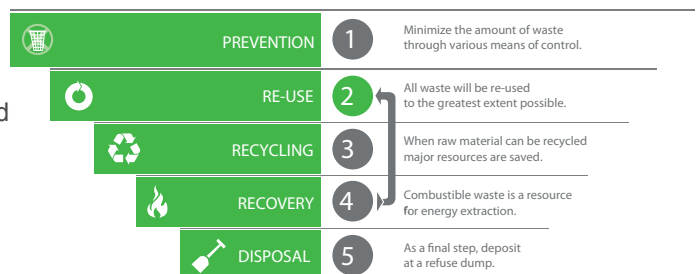
whereby we purify and concentrate used glycol so that it can be re-used. In this manner, we will save the earth's resources since glycol is extracted from crude oil and is a non-renewable resource. In addition, glycol is a scarce commodity since demand is consistently higher than the supply.

Glycol is used in a number of different industries and there is an abundance of areas of use.

Our vision is to spread our knowledge throughout the world and thus contribute positively to our common environment and to a better world.

Our business concept is to refine used glycol and restore it to an industrial product using an efficient and unique eco-friendly method.

EU's WASTE HIERARCHY



Read more about us? Visit www.recyctec.se



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