



H2O Rx

KemKey Couplings For safer bulk chemical transfer

Transferring chemicals is inherently a risky but necessary operation.

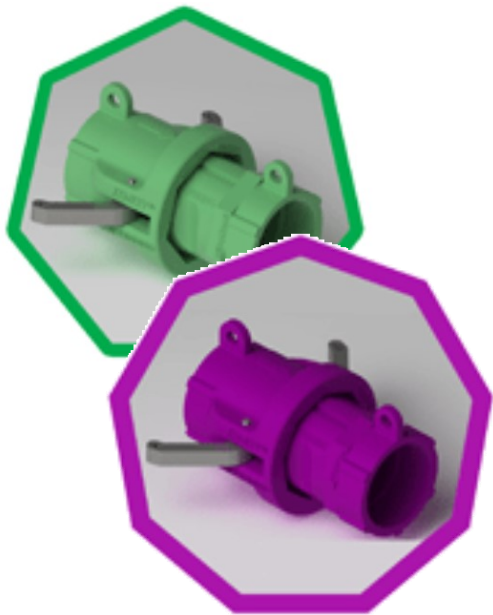
One of the risks is inadvertently transferring from a tanker to the wrong bulk storage tank. This can cause:

- ◆ Loss of primary containment;
- ◆ Potential loss of secondary containment;
- ◆ A dangerous and uncontrolled chemical reaction, that has the potential to injure and kill people, damage infrastructure, and cause a widespread emergency response.

Despite engineers and operations trying to prevent this, it happens surprisingly frequently and often with severe consequences. The video below shows a recent example. Where over 11000 people in the community surrounding a food processor were advised to shelter in place or evacuate, and over 140 were injured by a chlorine gas cloud formed by inadvertent mixing of chemicals during transfer.

<https://youtu.be/Tflm9mttAAI>

KemKey couplings however can add an extra level of confidence. Ensuring all your bulk tanks have couplings that require a mating fitting to work, means that this type of incident are virtually eliminated.



KemKey couplings are:

- ◆ Colour coded;
- ◆ Designed with coupling shapes that coincide with the colour;
- ◆ Available with a choice of EPDM or Viton seals—to suit most chemicals;
- ◆ Fitted with one type fits all caps and plugs;
- ◆ Familiar—in that they function with cam / lever mechanisms.
- ◆ Manufactured in Polypropylene or PVDF for chemical compatibility

With seven different “shapes” and “colours”, there is enough choice for virtually every chemical plant.

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