

HRC-X[®] Technical Description

HRC-X[®] is a more robust and viscous version of Hydrogen Release Compound (HRC), it is designed to stimulate anaerobic biodegradation by providing an extended-release of electron donor material for periods of up to 5 years or more on a single application.

With an additional 3+ years of hydrogen releasing capability when compared to standard HRC, HRC-X is suitable for treating sites with higher dissolved-phase concentrations (including residual DNAPL) where it can be effective in driving biological mechanisms such as desorption and dissolution. HRC-X may also be instrumental in treating sites where only a single remediation treatment application is possible and there is a need to maximize the treatment longevity.



Example of HRC-X

For a list of treatable contaminants with the use of HRC-X, view the [Range of Treatable Contaminants Guide](#).

Chemical Composition

- Glycerol Tripolylactate- CAS #201167-72-8
- Glycerin- CAS #56-81-5
- Lactic acid- CAS #50-21-5

Properties

- pH - 3 (10% solution/water)
- Appearance – Viscous gel/liquid. Amber color
- Odor – Odorless

Storage and Handling Guidelines

Storage

- Store away from incompatible materials
- Store in original tightly closed container
- Store in a cool, dry, well-ventilated place

Handling

- Wash thoroughly after handling
- Wear appropriate personal protective equipment
- Wear eye/face protection
- Provide adequate ventilation
- Observe good industrial hygiene practices



**HYDROGEN
RELEASE
COMPOUND**

HRC-X[®] Technical Description

Applications

- Permanent injection wells
- Direct-push injection (barriers and grids)
- Recirculating wells
- Soil borings
- Excavation applications into soil or on top of bedrock

Application instructions for this product are contained in the [HRC-X Application Instructions](#).

Health and Safety

Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Please review the [HRC-X Safety Data Sheet](#) for additional storage, usage, and handling requirements.



Corporate Headquarters
1011 Calle Sombra, San Clemente CA 92673
949.366.8000

European Headquarters
The Tramshed, Beehive Yard
Walcot St, Bath BA1 5BB, United Kingdom