

A chemical system for the storage and reuse of truck mixer wash water and fresh concrete.



CE Approved – Certificate No. 0086-CPD-469071  
EN934 part 2 table 8

### Description of Product

The manufacture of ready-mixed concrete has always caused the problem of disposing of process waste, that is, ready-mix truck wash water and relatively small amounts of unused concrete.

Thanks to its ability of controlling cement setting times, the DELVO<sup>®</sup> system offers in the concrete manufacturing process the concept of “zero waste production”: No more wash water from ready-mix trucks and no more unused fresh concrete to dispose of. DELVO<sup>®</sup> allows the reuse of all the wash water the next day or after a weekend, with no need for reclaimer units. Moreover, DELVO<sup>®</sup> allows unused fresh concrete to be kept inside the ready-mix truck and be reused the next day or after a weekend.

DELVO<sup>®</sup> STABILISER 10 complies with:

- EN934 part 2 table 8

### Fields of Application

- For the stabilisation of concrete mixer waste.
- For the stabilisation of reused or fresh concrete.

### Features and Benefits

- Stabilisation and reuse of concrete wash water from ready-mix trucks overnight or over a weekend. Stabilised concrete wash water is reused as mix water in fresh concrete manufacture. In addition, it ensures better

cleaning of the inside parts of ready-mix trucks. All this with no need for reclaimer or recycler units and ensuring a considerable saving, also of labour costs, both because less time is necessary for wash out operations, and because fins need less frequent maintenance.

- Leftover fresh concrete can be held and reused overnight or over a weekend. Again, without requiring reclaimer or recycler units, thus providing considerable cost effectiveness thanks to the elimination of the operating costs of handling and disposal of waste.
- Eliminates environmental concerns about the disposal of wash out slurry or unused fresh concrete.
- Concrete obtained by the reuse of wash water and concrete treated with DELVO<sup>®</sup> STABILISER 10 Wash Water System provides equal or higher performances than reference concrete of equal composition.
- Allows environment conservation since it eliminates the presence of waste in the concrete manufacturing process, thus being beneficial both to the community and to the ready-mix producer's image.

### Technical Data/Typical Properties

Appearance	Pink liquid
Specific gravity @ 20°C	1.1 ± 0.03 g/cm <sup>3</sup>
pH-value	1.5 ± 1
Alkali content (%)	Less than or equal to 2.5
Chloride content (%)	Less than or equal to 0.30

# DELVO<sup>®</sup> STABILISER 10 Wash Water System

## Application Procedure

### Stabilisation and Reuse of Truck Mixer Wash Water:

Truck mixers are generally washed by introducing a large amount of water into the truck agitator drums, mixing for several minutes and discharging the water into either costly recycler units or wash water pits.

The DELVO<sup>®</sup> system, by the use of DELVO<sup>®</sup> STABILISER 10, together with the frequent use of the patented BASF drum washer throughout the working day, if delays of 30 minutes or more are encountered, is an effective and cost saving alternative. This system requires the introduction of the recommended dosage of DELVO<sup>®</sup> STABILISER 10 Wash Water System then a very low amount of water, 100 - 180 litres, into the mixer via the patented BASF drum washer.

### Dosage

1 litre per truck if the water is reused after one night;  
2 litres per truck for weekend stabilisation.

The truck mixer can now be parked for the night or weekend, with the treated wash water inside the drum. The following day, when a new mix must be prepared, mix water will be reduced by the amount already present in the mixer and recorded by the dispenser.

The nightmare of disposing of wash slurry is therefore completely eliminated simply by reusing all wash water thanks to DELVO<sup>®</sup> STABILISER 10.

### Application

Full stabilisation overnight or weekend of truck mixer wash water, thus allowing the complete reuse of treated water; at the same time it ensures better cleaning of the inside parts of truck mixers than that obtained by traditional methods.

DELVO<sup>®</sup> STABILISER 10 should be used via a secure dispensing system, details of which are available from BASF Construction Chemicals.

### Packaging

Available in bulk, 1000-litre IBC's, 205-litre drums and 25-litre containers.

### Storage

Store away from direct sunlight at ambient temperatures and in dry conditions.

### Shelf Life

Up to 12 months if stored in accordance to manufacturer's instructions in original containers.

### Watchpoints

DELVO<sup>®</sup> STABILISER 10 Wash Water System is a corrosive liquid.

When handling DELVO<sup>®</sup> STABILISER 10 Wash Water System safety glasses and rubber gloves should be worn. In case Delvo Stabiliser comes into contact with eyes, skin or clothing, immediately flush with plenty of water for 15 minutes. For skin, wash with soap and water. Wash contaminated clothing before reuse. Do not take internally. For further details refer to the Health and Safety datasheet.

BASF plc,  
Construction Chemicals,  
P.O. Box 4,  
Earl Road,  
Cheadle,  
Cheshire, SK8 6QG  
Tel: +44 (0) 161 794 7411  
Fax +44 (0) 161 727 8547  
[www.basf-cc.co.uk](http://www.basf-cc.co.uk)

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#### **Health and Safety**

\*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

#### **Spillage**

Chemical products can cause damage; clean spillage immediately.

#### **DISCLAIMER**

"BASF plc, Construction Chemicals " (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.