

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY/ UNDERTAKING

Product name: DVS moulds (Citrus)
Description: Slow-release biological preparation for reducing scale build up and associated blockages in pipework.
Company: Dart Valley Systems Ltd.
Kemings Close
Long Road
Paignton
Devon
Telephone: 01803 529021
Fax: 01803 559016

2. HAZARDS IDENTIFICATION

General: Risk of serious damage to eyes. Prolonged skin contact may cause irritation.
Hazard symbol: Xi
Environmental hazard: Preparation is biodegradable.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical composition: Naturally occurring non-pathogenic bacterial cultures, biodegradable surfactants, biodegradable water softener, fragrance and dye.
CAS number: Not applicable - product is a preparation.
Contains: Alkanolamide

Cas No.	Conc.	Hazard Symbol
68140-00-1	25-50%	Xi; R41

4. FIRST AID MEASURES

Exposure by skin contact: Wash affected area thoroughly with water.
Exposure by eye contact: Immediately flush eyes with plenty of water and seek medical attention if irritation develops.
Exposure by ingestion: Rinse mouth and throat with water and give sips of water to drink.
Exposure by inhalation: Remove victim to fresh air and seek medical attention if symptoms occur.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water, foam, dry chemical or carbon dioxide.
Exposure hazards: None known.
Protection of fire-fighters: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear appropriate PPE. Refer to section 8.
Environmental precautions:	Avoid excessive release to drains.
Clean-up procedures:	Transfer the material to waste containers labeled in the same way as the original containers. Small releases should not pose any hazard to the local environment. Wash spillage site with water.

7. HANDLING AND STORAGE

Handling requirements:	The material should be handled under good housekeeping practices.
Storage conditions:	Store in a cool and dry place. Avoid freezing temperatures and temperatures above 45°C to preserve biological stability.
Packaging materials:	Packaging can be recycled.

8. EXPOSURE CONTROLS

Engineering measures:	None.
Respiratory protection:	No special ventilation is necessary.
Skin protection:	Avoid skin contact, in the case of direct handling of the material, the use of gloves will reduce exposure to the preparation.
Eye protection:	Care should be taken to avoid eye contact. In the case of direct handling of the material, the use of safety glasses is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Orange solid block.
Odour:	Orange.
pH (5% w/w solution in water):	4.5-5.0.
Solubility:	Slow dissolving

10. STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions of use.
Conditions to avoid:	Excessive temperature variations, below 0°C or above 45°C.
Materials to avoid:	Strong acids or alkali and strong oxidizing agents.

11. TOXICOLOGICAL

Acute toxic effects:	Not determined.
Local effects:	
Skin irritation:	There may be some irritation at the site of contact.
Eye irritation:	In the event of contact there may be irritation and redness.

The bacteria in the product are all naturally occurring and are known to be non-pathogenic to humans, animals or plants.

12. ECOLOGICAL INFORMATION

Mobility:	The preparation is dispersible in water and is therefore likely to distribute predominantly to the aqueous environment.
Persistence and degradability:	The preparation is readily biodegradable. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents.
Accumulation:	Preparation is not expected to bio-accumulate due to its solubility.
Ecotoxicity:	The preparation has been formulated to cause minimal environmental impact and is not anticipated to pose any environmental hazard.
Other adverse effects:	Adverse effects in the sewage treatment plant are not anticipated.
Other information:	Contains Class 1 micro-organisms selected from the natural environment.

13. DISPOSAL CONSIDERATIONS

Disposal operations:	Dispose of in accordance with local regulations.
Disposal of packaging:	Empty packaging can be recycled.

14. TRANSPORT INFORMATION

International Regulations:	
Land:	Not applicable.
Inland Waterways:	Not applicable.
Sea:	Not applicable.
Air:	Not applicable.

15. REGULATORY INFORMATION

Classification Packaging/ labelling (CHIP 4)	
Hazard symbol:	Xi
Risk phrases:	R41, Risk of serious damage to eyes
Safety phrases:	S24/25, Avoid contact with the skin & eyes

16. OTHER INFORMATION

Legal disclaimer: The information provided is to the best of our knowledge correct and accurate. However, all data instructions and suggestions should be used only for guidance purposes. This company shall not be held liable for any damage resulting from handling or contact with the above product.