



Nonfood Compounds  
Program Listed (N3)  
120995



## SAFETY DATA SHEET DEV 16

According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR)

### 1. Identification

#### Product identifier

**Product name**                      DEV 16

#### Recommended use of the chemical and restrictions on use

**Restriction on use**                      PVA / Emulsion Adhesive Cleaner

#### Details of the supplier of the safety data sheet

**Supplier**                                      GLUEGUARD INC.  
79 Regal Road  
Unit 14  
Guelph  
Ontario  
N1K 1B6  
Tel : +1 855 422 2928  
Email : info@glueguard.com

**Manufacturer**                                LARRAGARD LIMITED  
Chapel Lane  
Heckmondwike  
West Yorkshire  
United Kingdom  
WF16 9JP  
Tel : +44 (0) 1924 403550  
Fax : +44 (0) 1924 400999  
Email : technical@gardchemicals.com

#### Emergency telephone number

**Emergency telephone**                      Tel : +44 (0)1924 403550 (Office Hours)

### 2. Hazard identification

#### Classification of the substance or mixture

**Physical hazards**                              Not Classified

**Health hazards**                                Skin Irrit. 2 - H315 Eye Dam. 1 - H318

**Environmental hazards**                      Not Classified

#### Label elements

##### Pictogram



**Signal word**                                      Danger

**DEV 16**

<b>Hazard statements</b>	H315 Causes skin irritation. H318 Causes serious eye damage.
<b>Precautionary statements</b>	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/ attention.

**Contains**

**Contains** DISODIUM METASILICATE, NON-IONIC SURFACTANT

**Other hazards****Hazard id 2a****Hazard ID 2A****"Hazard ID 2A"****Hazard****3. Composition/information on ingredients****Mixtures**

<b>DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE</b> <span style="float: right;"><b>1-10%</b></span> CAS number: 139-33-3
<b>Classification</b> Acute Tox. 4 - H332
<b>DISODIUM METASILICATE</b> <span style="float: right;"><b>1-10%</b></span> CAS number: 6834-92-0
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335
<b>ARYL ETHER PHOSPHATE ESTER, POTASSIUM SALT</b> <span style="float: right;"><b>1-5%</b></span> CAS number: 72283-31-9
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2A - H319
<b>NON-IONIC SURFACTANT</b> <span style="float: right;"><b>1-10%</b></span> CAS number: 68439-45-2
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318

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The full text for all hazard statements is displayed in Section 16.

**Ingredient notes** MIXTURE OF SUBSTANCES LISTED ABOVE WITH NON-HAZARDOUS ADDITIONS.

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	Not relevant. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Due to the physical nature of this product, exposure by this route is unlikely.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Get medical attention immediately.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

#### Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.
<b>Eye contact</b>	Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

#### Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** Treat symptomatically.

### 5. Fire-fighting measures

#### Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

#### Specific hazards arising from the hazardous product

**Specific hazards** Irritating gases or vapours.

#### Advice for firefighters

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.

#### Environmental precautions

**Environmental precautions** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

#### Methods and material for containment and cleaning up

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**Methods for cleaning up** Flush away spillage with plenty of water. Large Spillages: Absorb spillage with sand or other inert absorbent.

### Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

## 7. Handling and storage

### Precautions for safe handling

**Usage precautions** Wear protective clothing, gloves, eye and face protection.

### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry and cool place. Store away from the following materials: Oxidizing materials.

### Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

## 8. Exposure controls/Personal protection

### Exposure controls

#### Protective equipment



**Appropriate engineering controls** Not relevant.

**Eye/face protection** The following protection should be worn: Chemical splash goggles or face shield.

**Hand protection** Wear protective gloves.

**Other skin and body protection** Wear suitable protective clothing as protection against splashing or contamination.

**Hygiene measures** Wash at the end of each work shift and before eating, smoking and using the toilet.

**Respiratory protection** Respiratory protection not required.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

**Appearance** Liquid.

**Colour** Red. Pink.

**Odour** Characteristic.

**pH** pH (concentrated solution): ~11.5

**Melting point** <0°C

**Initial boiling point and range** ~100°C

**Flash point** Not applicable.

**Upper/lower flammability or explosive limits** Lower flammable/explosive limit Upper flammable/explosive limit Not applicable.

**Other flammability** Not applicable.

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<b>Relative density</b>	~1.09 @ 20°C
<b>Solubility(ies)</b>	Soluble in water. Insoluble in organic solvents.
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Not applicable.
<b>Other information</b>	None.

### 10. Stability and reactivity

<b>Reactivity</b>	Reactions with the following materials may generate heat: Strong acids.
<b>Stability</b>	No particular stability concerns.
<b>Possibility of hazardous reactions</b>	See sections 10.1, 10.4 & 10.5
<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
<b>Materials to avoid</b>	Strong acids. Aluminium, Tin, Zinc and their alloys.
<b>Hazardous decomposition products</b>	No known hazardous decomposition products.

### 11. Toxicological information

#### Information on toxicological effects

**Toxicological effects** No information available.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 13,622.47

#### Acute toxicity - inhalation

**ATE inhalation (gases ppmV)** 65,934.07

**ATE inhalation (vapours mg/l)** 161.17

**ATE inhalation (dusts/mists mg/l)** 21.98

### 12. Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment.

**Toxicity** No data available.

#### Persistence and degradability

**Persistence and degradability** This product, at use dilutions, is readily broken down in biological effluent treatment plants.

#### Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

#### Mobility in soil

**Mobility** Not known.

#### Other adverse effects

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**Other adverse effects** Not known.

### 13. Disposal considerations

#### Waste treatment methods

**Disposal methods** Discharge used solutions to drain. Small amounts (less than 5 litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor. Rinse out empty container with water and consign to normal waste.

### 14. Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, TDG).

#### UN number

**UN No. (International)** Not applicable.

#### UN proper shipping name

**Proper shipping name (International)** Not applicable.

#### Transport hazard class(es)

**Transport Labels (International)** No transport warning sign required.

#### Packing group

**Packing group (International)** Not applicable.

#### Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

#### Special precautions for user

Not applicable.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### 15. Regulatory information

**Regulatory Status** According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended), and the requirements of the Hazardous Product Regulations (HPR).

#### Inventories

**Canada – DSL/NDSL**  
All the ingredients are listed.

**US - TSCA**  
All the ingredients are listed.

### 16. Other information

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<b>General information</b>	Quality Assurance: Larragard Limited, Conforms to ISO 9001 : 2015 Cert. No. 14130209  Environmental Standard: Larragard Limited, Conforms to ISO 14001 : 2015 Cert No. 14124144  Occupational Health and Safety Management Systems: Larragard Limited, Conforms to OHSAS 18001 : 2007 Cert No. 14124145 NOTE: LARRAGARD LIMITED HAS SUPPLIED FULL INGREDIENT INFORMATION TO ALLOW NSF ASSESSMENT.
<b>Revision date</b>	24.01.14 - SDS10033
<b>Revision</b>	03.03.16
<b>Supersedes date</b>	2018-08-29
<b>SDS number</b>	SDS10033
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation.

Uses Advised Against: The product should not be used for any other purpose other than its intended use. Handling, storage and conditions to avoid instructions must be followed at all times. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.