1 Identification

- **Product identifier**
  - Trade name: DUROSEAL Smooth Duct Sealer (EDS-RS1)
    DUROSEAL Smooth High Velocity Duct Sealer (EDS-RSC)
  - **Product code:** #5231 (EDS-RS1), #5233 (EDS-RSC)

- **Recommended use and restriction on use**
  - Recommended use: Sealant
  - Restrictions on use: For professional use only.

- **Details of the supplier of the Safety Data Sheet**
  - **Manufacturer/Supplier:**
    DURO DYNE CORPORATION
    81 Spence Street
    Bay Shore, NY 11706
    800-899-3876

  - **Emergency telephone number:**
    ChemTel Inc.
    (800)255-3924 (North America)
    +1 (813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Skin Irrit. 2 H315 Causes skin irritation.
  - Eye Irrit. 2A H319 Causes serious eye irritation.
  - Skin Sens. 1 H317 May cause an allergic skin reaction.
  - Carc. 2 H351 Suspected of causing cancer.
  - STOT SE 3 H335 May cause respiratory irritation.

- **Label elements**
  - **GHS label elements**
    The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms:**
    ![GHS07 GHS08]

- **Signal word:** Warning

- **Hazard statements:**
  - H315 Causes skin irritation.
  - H319 Causes serious eye irritation.
  - H317 May cause an allergic skin reaction.
  - H351 Suspected of causing cancer.
  - H335 May cause respiratory irritation.

- **Precautionary statements:**
  - P201 Obtain special instructions before use.
  - P202 Do not handle until all safety precautions have been read and understood.
  - P261 Avoid breathing mist, vapors, or spray.
  - P264 Wash thoroughly after handling.

(Cont'd. on page 2)
Safety Data Sheet
according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Trade name: DUROSEAL Smooth Duct Sealer (EDS-RS1)
DUROSEAL Smooth High Velocity Duct Sealer (EDS-RSC)

(Cont'd. of page 1)

P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection.
P302+P352 If on skin: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a poison center/doctor if you feel unwell.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

Components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Identity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1317-65-3</td>
<td>Limestone</td>
<td>40-50%</td>
</tr>
<tr>
<td>140-88-5</td>
<td>Ethyl acrylate</td>
<td>5-10%</td>
</tr>
<tr>
<td></td>
<td>Flamm., Liq., 2, H225</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Carc. 2, H351</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335</td>
<td></td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium dioxide</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

Additional information:
For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
For the wording of the listed Hazard Statements, refer to section 16.

4 First-aid measures

· Description of first aid measures
· After inhalation: Supply fresh air; consult doctor in case of complaints.
· After skin contact:
Immediately wash with water and soap and rinse thoroughly.
If skin irritation or rash occurs: Get medical advice/attention.
· After eye contact:
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· After swallowing:
Rinse out mouth and then drink plenty of water.

(Cont'd. on page 3)
Safety Data Sheet
according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Trade name: DUROSEAL Smooth Duct Sealer (EDS-RS1)
DUROSEAL Smooth High Velocity Duct Sealer (EDS-RSC)

Do not induce vomiting; immediately call for medical help.

Most important symptoms and effects, both acute and delayed:
Irritating to eyes, respiratory system and skin.
Coughing
Allergic reactions
Nausea in case of ingestion.
May cause gastro-intestinal irritation if ingested.

Danger: Suspected of causing cancer.

Indication of any immediate medical attention and special treatment needed:
Contains ethyl acrylate. May produce an allergic reaction.
Treat skin and mucous membrane with antihistamine and corticoid preparations.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents: No relevant information available.

Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

Protective equipment:
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Use personal protective equipment as required.
Ensure adequate ventilation.

Environmental precautions Avoid release to the environment.

Methods and material for containment and cleaning up
Towel or mop up material and collect in a suitable container.
Send for recovery or disposal in suitable receptacles.

Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling

Precautions for safe handling:
Handle with care.
Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

(Cont'd. of page 2)

(Cont'd. on page 4)
8 Exposure controls/personal protection

- Control parameters

<table>
<thead>
<tr>
<th>Component with limit values that require monitoring at the workplace</th>
</tr>
</thead>
</table>

### 1317-65-3 Limestone

- **PEL (USA)**
  - Long-term value: 15* 5** mg/m³
  - total dust **respirable fraction

- **REL (USA)**
  - Long-term value: 10* 5** mg/m³
  - total dust **respirable fraction

- **TLV (USA)**
  - TLV withdrawn

### 140-88-5 ethyl acrylate

- **PEL (USA)**
  - Long-term value: 100 mg/m³, 25 ppm
  - Skin

- **REL (USA)**
  - See Pocket Guide App. A

- **TLV (USA)**
  - Short-term value: 61 mg/m³, 15 ppm
  - Long-term value: 20 mg/m³, 5 ppm

- **EL (Canada)**
  - Short-term value: 15 ppm
  - Long-term value: 5 ppm
  - IARC 2B; S(D)

- **EV (Canada)**
  - Short-term value: 15 ppm
  - Long-term value: 5 ppm
  - Skin

- **LMPE (Mexico)**
  - Short-term value: 15 ppm
  - Long-term value: 5 ppm
  - A4

### 14808-60-7 Quartz

- **PEL (USA)**
  - Long-term value: 0.05* mg/m³
  - resp. dust; 30mg/m³/%SiO2+2

- **REL (USA)**
  - Long-term value: 0.05* mg/m³
  - respirable dust; See Pocket Guide App. A

- **TLV (USA)**
  - Long-term value: 0.025* mg/m³
  - as respirable fraction

- **EL (Canada)**
  - Long-term value: 0.025 mg/m³
  - ACGIH A2; IARC 1

- **EV (Canada)**
  - Long-term value: 0.10* mg/m³

(Cont’d. on page 5)
Trade name: DUROSEAL Smooth Duct Sealer (EDS-RS1)
DUROSEAL Smooth High Velocity Duct Sealer (EDS-RSC)

(Cont’d. of page 4)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LMPE (Mexico)</th>
<th>PEL (USA)</th>
<th>REL (USA)</th>
<th>TLV (USA)</th>
<th>EL (Canada)</th>
<th>EV (Canada)</th>
<th>LMPE (Mexico)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>*respirable fraction</td>
<td>Long-term value: 0.025* mg/m³</td>
<td>*total dust</td>
<td>Long-term value: 15* mg/m³</td>
<td>Long-term value: 10 mg/m³</td>
<td>Long-term value: 10* 3** mg/m³</td>
<td>Long-term value: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>See Pocket Guide App. A</td>
<td>Long-term value: 10 mg/m³</td>
<td>*total dust;**respirable fraction; IARC 2B</td>
<td>Long-term value: 10 mg/m³</td>
<td>**</td>
</tr>
</tbody>
</table>

**13463-67-7 Titanium dioxide**

- **Exposure controls**
  - **General protective and hygienic measures:**
    The usual precautionary measures for handling chemicals should be followed.
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
    Avoid breathing vapors.
    Avoid contact with the eyes and skin.
  - **Engineering controls:** Provide adequate ventilation.
  - **Breathing equipment:**
    Not required under normal conditions of use.
    Use suitable respiratory protective device in case of insufficient ventilation.
    Use respiratory protection when grinding or cutting material.
  - **Protection of hands:**
    - Protective gloves
      The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    - **Material of gloves**
      Nitrile rubber, NBR
      Neoprene gloves
  - **Eye protection:**
    - Safety glasses
      Follow relevant national guidelines concerning the use of protective eyewear.
  - **Body protection:** Protective work clothing

- **Limitation and supervision of exposure into the environment**
  No relevant information available.

- **Risk management measures** No relevant information available.

(Cont’d. on page 6)
## 9 Physical and chemical properties

### Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>According to product specification</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Characteristic</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>pH-value</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Melting point/Melting range</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous)</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Danger of explosion</strong></td>
<td>Product is not explosive. However, formation of explosive air/vapor mixtures are possible.</td>
</tr>
<tr>
<td><strong>Explosion limits</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Lower</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Upper</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>Non-oxidizing.</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with Water</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water)</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dynamic</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Kinematic</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>VOC content</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Other information</strong></td>
<td>No relevant information available.</td>
</tr>
</tbody>
</table>

## 10 Stability and reactivity

### Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reactivity</strong></td>
<td>No relevant information available.</td>
</tr>
</tbody>
</table>

### Chemical stability

#### Thermal decomposition / conditions to be avoided

No decomposition if used and stored according to specifications.
11 Toxicological information

- Information on toxicological effects
  - Acute toxicity: Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>LD/LC50 values that are relevant for classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>140-88-5 ethyl acrylate</strong></td>
</tr>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>Dermal</td>
</tr>
<tr>
<td>Inhalative</td>
</tr>
</tbody>
</table>

- Primary irritant effect:
  - On the skin: Irritant to skin and mucous membranes.
  - On the eye: Causes eye irritation.
  - Sensitization: Contains ethyl acrylate. May produce an allergic reaction.

<table>
<thead>
<tr>
<th>IARC (International Agency for Research on Cancer):</th>
</tr>
</thead>
<tbody>
<tr>
<td>140-88-5 ethyl acrylate</td>
</tr>
<tr>
<td>14808-60-7 Quartz</td>
</tr>
<tr>
<td>13463-87-7 Titanium dioxide</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NTP (National Toxicology Program):</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7 Quartz</td>
</tr>
</tbody>
</table>

- OSHA-Ca (Occupational Safety & Health Administration):
  None of the ingredients listed.

  - Probable route(s) of exposure:
    - Ingestion.
    - Eye contact.
    - Skin contact.

  - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
  - Carcinogenicity: Suspected of causing cancer.
  - Reproductive toxicity: Based on available data, the classification criteria are not met.
  - STOT-single exposure: May cause respiratory irritation.
  - STOT-repeated exposure: Based on available data, the classification criteria are not met.
  - Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No relevant information available.
\textbf{Trade name: DUROSEAL Smooth Duct Sealer (EDS-RS1)
DUROSEAL Smooth High Velocity Duct Sealer (EDS-RSC)}

\begin{itemize}
  \item \textbf{Persistence and degradability} No relevant information available.
  \item \textbf{Bioaccumulative potential:} No relevant information available.
  \item \textbf{Mobility in soil:} No relevant information available.
  \item \textbf{Additional ecological information}
    \begin{itemize}
      \item \textbf{General notes:} Avoid release to the environment.
      \item \textbf{Other adverse effects} No relevant information available.
    \end{itemize}
\end{itemize}

\section*{13 Disposal considerations}

\begin{itemize}
  \item \textbf{Waste treatment methods}
    \begin{itemize}
      \item \textbf{Recommendation:}
        Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
    \end{itemize}
  \item \textbf{Uncleaned packagings}
    \begin{itemize}
      \item \textbf{Recommendation:} Disposal must be made according to official regulations.
    \end{itemize}
\end{itemize}

\section*{14 Transport information}

\begin{itemize}
  \item \textbf{UN-Number}
    \begin{itemize}
      \item DOT, ADR/RID/ADN, IMDG, IATA Not regulated.
    \end{itemize}
  \item \textbf{UN proper shipping name}
    \begin{itemize}
      \item DOT, ADR/RID/ADN, IMDG, IATA Not regulated.
    \end{itemize}
  \item \textbf{Transport hazard class(es)}
    \begin{itemize}
      \item DOT, ADR/RID/ADN, IMDG, IATA Class Not regulated.
    \end{itemize}
  \item \textbf{Packing group}
    \begin{itemize}
      \item DOT, ADR/RID/ADN, IMDG, IATA Not regulated.
    \end{itemize}
  \item \textbf{Environmental hazards}
    \begin{itemize}
      \item Marine pollutant: No
    \end{itemize}
  \item \textbf{Special precautions for user}
    \begin{itemize}
      \item Not applicable.
    \end{itemize}
  \item \textbf{Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code}
    \begin{itemize}
      \item Not applicable.
    \end{itemize}
\end{itemize}

\section*{15 Regulatory information}

\begin{itemize}
  \item Safety, health and environmental regulations/legislation specific for the substance or mixture
\end{itemize}
Trade name: DUROSEAL Smooth Duct Sealer (EDS-RS1)  
DUROSEAL Smooth High Velocity Duct Sealer (EDS-RSC)

- United States (USA)  
  - SARA  
  - Section 302 (extremely hazardous substances): None of the ingredients are listed.
  - Section 355 (extremely hazardous substances): None of the ingredients are listed.
  - Section 313 (Specific toxic chemical listings):  
    140-88-5 | ethyl acrylate
  - TSCA (Toxic Substances Control Act)  
    All ingredients are listed or exempt.

- Proposition 65 (California)  
  - Chemicals known to cause cancer:  
    140-88-5 | ethyl acrylate
    14808-60-7 | Quartz
    13463-67-7 | Titanium dioxide
  - Chemicals known to cause developmental toxicity for females: None of the ingredients are listed.
  - Chemicals known to cause developmental toxicity for males: None of the ingredients are listed.
  - Chemicals known to cause developmental toxicity: None of the ingredients are listed.
  - EPA (Environmental Protection Agency): None of the ingredients are listed.
  - IARC (International Agency for Research on Cancer):  
    140-88-5 | ethyl acrylate | 2B
    14808-60-7 | Quartz | 1
    13463-67-7 | Titanium dioxide | 2B
  - Canadian Domestic Substances List (DSL): All ingredients are listed or exempt.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Abbreviations and acronyms:  
  ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
  IMDG: International Maritime Code for Dangerous Goods  
  DOT: US Department of Transportation  
  IATA: International Air Transport Association  
  CAS: Chemical Abstracts Service (division of the American Chemical Society)  
  LC50: Lethal concentration, 50 percent  
  LD50: Lethal dose, 50 percent  
  OSHA: Occupational Safety & Health Administration

(Cont'd. on page 10)
### Safety Data Sheet

**Trade name:** DUROSEAL Smooth Duct Sealer (EDS-RS1)
DUROSEAL Smooth High Velocity Duct Sealer (EDS-RSC)

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids</td>
</tr>
<tr>
<td>Acute Tox. 4</td>
<td>Acute toxicity</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitisation</td>
</tr>
<tr>
<td>Carc. 2</td>
<td>Carcinogenicity</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure)</td>
</tr>
</tbody>
</table>

**Sources**
- Website, European Chemicals Agency (echa.europa.eu)
- Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
- Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
- Safety Data Sheets, Individual Manufacturers

**SDS Prepared by:**
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- Tampa, Florida USA 33602-2902
- Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
- Website: www.chemtelinc.com