

# SAFETY DATA SHEET

## SUPER SEAL ADVANCED™ SMALL SYSTEMS

Revision Date: February 7, 2018  
Supersedes: May 6, 2015

Version: 4.0

### Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product Identifier

**Product Name:** SUPER SEAL ADVANCED™ SMALL SYSTEMS  
**Part Number(s):** 947KIT

#### 1.2 Relevant Identified Uses of the Substance or Mixture and uses Advised Against

**Relevant Identified Uses:** HVAC and refrigeration lubricant additive. Widespread use by certified HVAC/R technician  
**Uses Advised Against:** Non-licensed personal  
**Reason Why Uses Advised Against:** Potential exposure hazard with system refrigerant when installing product into HVAC/R System

#### 1.3 Details of the Supplier of the Safety Data Sheet

**Supplier:** DiversiTech UK Limited  
**Street/P.O. Box:** Glaisdale Dr E  
**Postcode / City:** NG8 4LY, Nottingham  
**Country:** United Kingdom  
**Telephone:** +44 (0)115 900 5858  
**E-mail:** john.lyle@pumph.co.uk

#### 1.4 Emergency Telephone Number

**Please contact:** 001+1813 248 0585, 24 Hours, 7 Emergency Days, Chem-Tel, Inc  
**Other Comments (language):** English

### Section 2 – Hazards Identification

#### 2.1 Classification of the Substance or Mixture

##### Hazard Classification

Classification according to Regulation (EC) No. 1272/2008 [CLP]

H226 - Flammable liquids: Category 3  
H315 - Skin corrosion/irritation: Category 2  
H318 - Serious eye damage/irritation: Category 1  
H373 - Specific Target Organ Toxicity (Repeat Exposure): Category 2  
H317 - Skin Sensitization: Category 1  
H412 - Hazardous to the aquatic environment (Chronic 3)

**SAFETY DATA SHEET**  
**SUPER SEAL ADVANCED™ SMALL SYSTEMS**

**Revision Date:** February 7, 2018

**Version:** 4.0

## 2.2 Label Elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP]**

**Hazard Pictograms:**



**Signal Word: DANGER**

**Hazard statements:**

H226 - Flammable liquid and vapour

H318 - Causes serious eye damage

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H373 - Cause damage to organs through repeated or prolonged exposure (bladder)

H412 - Harmful to aquatic life with long lasting effects

**Precautionary statements:**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 - Do not breathe mist, vapour or spray.

P264 - Wash hands and exposed skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves and eye protection.

P273 - Avoid release to the environment.

P303 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P321 - Specific treatment: see first aid measures on this label.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a poison center/doctor.

P370+P378 - In case of fire: Use dry chemical to extinguish.

P332+P313 - If skin irritation or rash occurs: Get medical attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

**Supplemental Hazard Information (EU):** Not Applicable

## 2.3 Other Hazards

None Applicable

**Conditions for safe storage:**

Keep away from heat, sparks, and open flame. In the opened canister, this product is sensitive to moisture.

**Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations

**SAFETY DATA SHEET**  
**SUPER SEAL ADVANCED™ SMALL SYSTEMS**

**Revision Date:** February 7, 2018

**Version:** 4.0

**Section 3 – Composition/Information on Ingredients**

**3.1 Substance**

Not Applicable. This product is regulated as a substance.

**3.2 Mixture**

**Description of the mixture:**

HVAC/R additive containing a hydrolytic drying agent and sealants

<b>Ingredient Name</b>	<b>Comp, wt%</b>	<b>CAS No.</b>	<b>EC No.</b>	<b>REACH Registration No.</b>	<b>Classification</b>
Triethylorthoformate	60-80%	122-51-0	204-550-4	01-2119895412-33-XXXX	Flam. Liq. 3 H226 Skin Irrit. 2 H315 Eye Irrit. 2 H319
N-(3-(trimethoxysilyl)propyl) ethylenediamine	1-5%	1760-24-3	217-164-6	01-2119970215-39-0000	Flam. Liq. 4 H227 Skin Irrit. 2 H315 Eye Dam. 1 H318
Trimethoxyvinylsilane	1-5%	2768-02-7	220-449-8	01-2119513215-52-0000	Flam. Liq. 2 H225 Acute Tox. 4 H332
Trimethoxy(methyl)silane	0.1-1%	1185-55-3	214-685-0	01-2120118455-60-0000	Flam. Liq. 2 H225 Skin Sens. 1 H317

Remaining components are not classified as hazardous under ECHA.

## **Section 4 – First Aid Measures**

### **4.1 Description of first aid measures**

#### **Inhalation**

Remove person to fresh air. Give artificial respiration if not breathing. If breathing is difficult, oxygen may be given by qualified personnel. Obtain medical attention.

#### **Eye Contact**

Remove contact lenses and immediately flush eyes with copious amounts of water for at least 15 minutes. Obtain medical attention.

#### **Skin Contact**

Immediately wash skin with soap and plenty of water. If irritation persists or if contact has been prolonged, obtain medical attention. Wash contaminated clothing before reuse.

#### **Ingestion**

Do NOT induce vomiting. Wash out mouth with water provided person is conscious. Call a physician.

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

This product is expected to react with moisture in the gastrointestinal tract to form methanol. Symptoms may be delayed and include headache, dizziness, nausea, lack of coordination, and confusion.

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

Get medical treatment immediately.

## **Section 5 – Firefighting Measures**

### **5.1 Extinguishing media**

DO NOT USE WATER STREAM. Use carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.

### **5.2 Special hazards arising from the substance or mixture**

Burning in a fire produces carbon oxides, silicon oxides, smoke and fumes.

### **5.3 Advice for firefighters**

Self-contained breathing apparatus and protective clothing if required.  
Vapours may travel considerable distance to a source of ignition and flash back.

## **Section 6 – Accidental Release Measures**

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

#### Protective Equipment:

Wear chemical-resistant gloves and chemical safety goggles or safety glasses with side shields.

#### Emergency procedures:

Shut off all sources of ignition. Provide adequate ventilation.

**SAFETY DATA SHEET**  
**SUPER SEAL ADVANCED™ SMALL SYSTEMS**

**Revision Date:** February 7, 2018

**Version:** 4.0

**6.1.2 For emergency responders**

Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

**6.2 Environmental precautions**

Provide adequate ventilation. Avoid runoff to sewers and waterways.

**6.3 Methods and materials for containment and cleaning up**

Cover spill with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

**6.4 Reference to other sections**

Refer to sections 8 and 13

**Section 7 – Handling and Storage**

**7.1.1 Precautions for safe handling**

Measures to prevent fire

Use away from heat, sparks, open flame or any other ignition source. Avoid prolonged or repeated exposure.

Measures to prevent aerosol and dust generation

Measures to protect the environment

Avoid spills, Avoid runoff to sewers and waterways.

**7.1.2 Advice on general occupational hygiene:**

- a) Do not eat, drink and smoke in work areas.
- b) Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.
- c) Remove contaminated clothing and protective equipment before entering eating areas.

**7.2 Conditions for safe storage, including any incompatibilities**

Technical measures and storage conditions:

Keep away from heat, sparks, and open flame. In the opened canister, this product is sensitive to moisture.

Packaging materials:

Requirements for storage rooms and vessels:

Store in a well-ventilated place. Keep cool.

Storage class:

8A

**7.3 Specific end use**

Recommendations:

HVAC and refrigeration lubricant additive

Industrial sector specific solutions:

Compatible with mineral oil, alkyl benzene oil, polyolester oil, polyvinylether oil, polyalkylene glycol oil, and polyalphaolefin oil. Compatible with CFC, HCFC, HFC, HFO, and HC refrigerant.

## **Section 8 – Exposure Controls/Personal Protection**

### **8.1 Control Parameters**

None of the components of this product have occupational exposure limit values in Europe.

### **8.2 Exposure Controls**

#### **8.2.1 Appropriate Engineering Controls**

##### **Substance/Mixture Related Measures to Prevent Exposure During Identified Uses:**

General room ventilation is expected to be sufficient for use of the product.

##### **Structural Measures to Prevent Exposure:**

General room ventilation

##### **Organizational Measures to Prevent Exposure:**

Proper HVAC licensing

##### **Technical Measures to Prevent Exposure:**

Use protective gloves. Use eye protection and chemical protective clothing.  
Wash thoroughly after handling. Wash contaminated clothing before reuse.

#### **8.2.2 Personal Protection Equipment**

##### **8.2.2.1 Eye and Face Protection:**

Chemical safety goggles or safety glasses with side shields.

##### **8.2.2.2 Skin Protection:**

###### **Hand Protection:**

Chemical resistant gloves

###### **Other Skin Protection:**

Wear clothing that covers arms and legs. Wash hands thoroughly after use.

##### **8.2.2.3 Respiratory Protection:**

Wear properly fitted NIOSH approved half-mask or air-purifying respirator

##### **8.2.2.4 Thermal Hazards:**

Keep away from heat and open ignition sources.

#### **8.2.3 Environmental Exposure Controls**

##### **Environmental Exposure Controls**

See SECTION 7.1.1: Handling and Storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

**SAFETY DATA SHEET**  
**SUPER SEAL ADVANCED™ SMALL SYSTEMS**

**Revision Date:** February 7, 2018

**Version:** 4.0

**Section 9 – Physical and Chemical Properties**

a) Appearance	Clear colourless liquid
b) Odour	Ethereal
c) Odour threshold	No data available
d) pH	No data available
e) Freezing point	No data available
f) Boiling point	No data available
g) Flash point	30°C (86°F) (closed cup testing)
h) Evaporation rate	No data available
i) Flammability or explosive limits	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Density	0.95 g/cm <sup>3</sup> @ 25°C (77°F)
n) Water Solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive Properties	No data available
t) Oxidizing Properties	No data available

NOTE: The physical data presented above are typical values and should not be construed as a specification.

**Section 10 – Stability and Reactivity**

**10.1 Reactivity**

Sensitivity with water or moisture. Reacts with water forming an organosilane polymer and methanol.

**10.2 Chemical stability**

Stable under recommended storage conditions. Keep away from moisture, heat or flame.

**10.3 Possibility of hazardous reactions**

Unlikely

**10.4 Conditions to avoid**

Avoid contact with moisture, heat, flames and sparks.

**10.5 Incompatible materials**

Acids, strong oxidizing agents

**10.6 Hazardous decomposition products**

Reacts with water or moisture to form methanol. In a fire, carbon monoxide, carbon dioxide and silicon oxides are formed. Does not decompose when used for intended uses.

**SAFETY DATA SHEET**  
**SUPER SEAL ADVANCED™ SMALL SYSTEMS**

**Revision Date:** February 7, 2018

**Version:** 4.0

**Section 11 – Toxicological Information**

The toxicological properties of this product have not been investigated. Information for some components is provided below.

**11.1 Information on toxicological effects**

**Acute toxicity**

Oral LD50 rat:	Triethylorthoformate – 7060 mg/kg Trimethoxyvinylsilane - 7340 - 7460 mg/kg N-(3-(trimethoxysilyl)propyl)ethylenediamine - 2995 mg/kg Trimethoxy(methyl)silane - 11685 mg/kg
Skin LD50 rabbit:	Triethylorthoformate – 17820 mg/kg Trimethoxyvinylsilane – 3460 - 4000 mg/kg N-(3-(trimethoxysilyl)propyl)ethylenediamine - >2000 mg/kg Trimethoxy(methyl)silane – >9500 mg/kg
Skin LD50 guinea pig:	Triethylorthoformate - >8910 mg/kg
Inhalation LC50 rat:	Trimethoxyvinylsilane - 16.79 mg/l N-(3-(trimethoxysilyl)propyl)ethylenediamine – 1.49 – 2.44 mg/l Trimethoxy(methyl)silane – >42.1 mg/l

**Skin corrosion/irritation**

Rabbit:	Triethylorthoformate – slightly irritating Trimethoxyvinylsilane - no irritation N-(3-(trimethoxysilyl)propyl)ethylenediamine – no irritation Trimethoxy(methyl)silane – no irritation
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**Serious eye damage/irritation**

Rabbit:	Triethylorthoformate – no irritation Trimethoxyvinylsilane - no irritation N-(3-(trimethoxysilyl)propyl)ethylenediamine - strongly irritating Trimethoxy(methyl)silane – no irritation
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**Respiratory or skin sensitization**

Guinea pig:	Trimethoxyvinylsilane - did not elicit a delayed contact hypersensitivity response N-(3-(trimethoxysilyl)propyl)ethylenediamine - may cause sensitization by skin contact Trimethoxy(methyl)silane – no irritation
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**Repeated Dose Toxicity**

Oral rat:	Trimethoxyvinylsilane NOAEL: <62.5 mg/kg Lowest Observable Effect Level – 62.5 mg/kg
	N-(3-(trimethoxysilyl)propyl)ethylenediamine NOAEL: >500 mg/kg Exposure time: 28 d
	Trimethoxy(methyl)silane NOAEL: 50 mg/kg Exposure time: 28 d



**SAFETY DATA SHEET**  
**SUPER SEAL ADVANCED™ SMALL SYSTEMS**

**Revision Date:** February 7, 2018

**Version:** 4.0

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Inhalation rat: Trimethoxyvinylsilane  
NOAEL – 10 mg/l  
Lowest Observable Effect Level - 100 mg/kg

**Germ cell mutagenicity**

N-(3-(trimethoxysilyl)propyl)ethylenediamine: negative (Ames test)

**Carcinogenicity**

None of the components of this product is identified as a carcinogen by IARC, ACGIH, NTP or OSHA.

**Reproductive toxicity**

N-(3-(trimethoxysilyl)propyl)ethylenediamine  
No Observed Adverse Effect Level (NOAEL):  
500 mg/kg/day (developmental and maternal toxicity)

Oral ratmale: Trimethoxyvinylsilane  
NOAEL P1 – 1000 mg/kg  
NOAEL F1 – 1000 mg/kg

Oral ratfemale: Trimethoxyvinylsilane  
NOAEL P1 – 250 mg/kg  
NOAEL F1 – 1000 mg/kg

**Summary of evaluation of the CMR properties:**

No data available

**Specific target organ toxicity – single exposure:**

No data available

**Specific target organ toxicity – repeated exposure:**

No data available

**Aspiration hazard:**

No data available

**Potential Health Effects:**

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.

**Skin Contact:** May be harmful if absorbed through skin. Causes mild skin irritation.

**Eye Contact:** Causes eye irritation.

**Ingestion:** May be harmful if swallowed.

## Section 12 – Ecological Information

### 12.1 Toxicity

No data are available for the ecological effects of this product; information on some components is provided below. The silane components of the product degrade through hydrolysis into alcohols and silanol and/or siloxanol compounds. The product is not expected to be readily biodegradable.

#### Triethylorthoformate

##### **Acute toxicity to fish**

(48-h) LC50: 592mg/L *Leuciscus idus* (guideline DIN 38412 Teil 15)

(48-h) LC0: 400mg/L *Leuciscus idus* (guideline DIN 38412 Teil 15)

##### **Acute toxicity to aquatic invertebrates**

(48-h) EC50: 617mg/L *Daphnia magna* (guideline EU Method C.2 (Acute Toxicity for Daphnia))

##### **Acute toxicity to algae/aquatic plants**

(96-h) EC50: 124.401mg/L (QSAR)

(96-h) NOEC: 29.074mg/L (QSAR)

##### **Toxicity to bacteria**

(6-h) EC10: 1.4g/L *Pseudomonas putida* (Huels-Methode [Bringmann und Kuhn, Z. Wasser Abwasser Forsch. 10,87-98 (1977)])

#### N-(3-(trimethoxysilyl)propyl) ethylenediamine

##### **Acute toxicity to fish**

LC50 (96-h): 597mg/ mortality *Danio rerio*, (Huls 1994).

##### **Acute toxicity to aquatic invertebrates**

EC50 (48-h): 81mg/L mobility *Daphnia magna* (Huls 1995).

##### **Acute toxicity to algae/aquatic plants**

(72-h) EC50: 8.8 mg/l growth rate *Pseudokirchneriella subcapitata*, reliability 2 (Springborn Smithers, 2002b).

(72-h) NOEC: 3.1 mg/l growth rate *Pseudokirchneriella subcapitata*, reliability 2 (Springborn Smithers, 2002b).

##### **Toxicity to bacteria**

Toxicity to microorganisms: EC<sub>50</sub> of 67 mg/l; EC<sub>10</sub> 25 mg/l (*Pseudomonas putida*, growth rate).

#### Trimethoxyvinylsilane

##### **Acute toxicity to fish**

(96-h) LC50: 191mg/L *Oncorhynchus mykiss*. Primarily exposed to the hydrolysis products of the substance.

(96-h) NOEC: 100mg/L *Oncorhynchus mykiss*. Primarily exposed to the hydrolysis products of the substance.

##### **Acute toxicity to aquatic invertebrates**

(48-g) EC50: 168.7mg/L *Daphnia magna*. Primarily exposed to the hydrolysis products of the substance.

**SAFETY DATA SHEET**  
**SUPER SEAL ADVANCED™ SMALL SYSTEMS**

**Revision Date:** February 7, 2018

**Version:** 4.0

**Acute toxicity to algae/aquatic plants**

(72-h) EC50: >89mg/L *Pseudokirchneriella subcapitata* Primarily exposed to the hydrolysis products of the substance  
(7-day) EC50: 210mg/L *Pseudokirchneriella subcapitata* Primarily exposed to the hydrolysis products of the substance.

(72-h) NOEC: =89mg/L *Pseudokirchneriella subcapitata* Primarily exposed to the hydrolysis products of the substance.  
(7-day) NOEC: 25mg/L *Pseudokirchneriella subcapitata* Primarily exposed to the hydrolysis products of the substance.

**Toxicity to bacteria**

(3-h) ASRI EC10: >100mg/L (loading rate) (OECD 209)

**Trimethoxymethylsilane**

**Acute toxicity to fish**

(96-h) LC50: >110mg/L (measured concentration) *Oncorhynchus mykiss* under flow-through conditions  
(96-h) NOEC: >110mg/L (measured concentration) *Oncorhynchus mykiss* under flow-through conditions

**Acute toxicity to aquatic invertebrates**

(48-h) EC50: >122mg/L (measured concentration) *Daphnia magna* under flow-through conditions  
(48-h) NOEC: >122mg/L (measured concentration) *Daphnia magna* under flow-through conditions

**Acute toxicity to algae/aquatic plants**

(72-h) EC50: >3.6mg/L (measured concentration) Growth Rate *Pseudokirchneriella subcapitata*, known to hydrolyse rapidly in water  
(72-h) NOEC: >3.6mg/L (measured concentration) Growth Rate *Pseudokirchneriella subcapitata*, known to hydrolyse rapidly in water

**Toxicity to bacteria**

(3-h) ASRI EC10: >100mg/L (loading rate) (OECD 209)

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assesment**

No data available

**12.6 Other adverse effects**

No data available

**12.7 Additional information**

No data available

**SAFETY DATA SHEET**  
**SUPER SEAL ADVANCED™ SMALL SYSTEMS**

**Revision Date:** February 7, 2018

**Version:** 4.0

**Section 13 – Disposal Considerations**

**13.1 Waste Treatment Methods**

**13.1.1 Product / Packaging Disposal**

Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is flammable. Observe all federal, provincial, and local environmental regulations. Dispose packaging with product.

**13.1.2 Waste Treatment-Relevant Information**

Place into a suitable marked closed container for disposal as chemical waste.

**13.1.3 Sewage Disposal-Relevant Information**

Dispose of in accordance with local and national regulations.

**13.1.4 Other Disposal Recommendations**

Do not expose to waterways.

**Section 14 – Transport Information**

**TDG/IATA/IACO/IMDG**

**14.1 UN Number**

UN #: 1993

**14.2 UN Proper Shipping Name**

FLAMMABLE LIQUID, N.O.S. (Ethyl orthoformate)

**14.3 Transport Hazard Class(es)**

Class: 3

**14.4 Packing Group**

Packing Group: III

**14.5 Environmental Hazards**

Marnie pollutant according to the International Maritime Dangerous Goods Code (IMDG Code)

**14.6 Special Precautions for Use**

No additional information is required.

**14.7 Transport in Bulk According to ANNEX II of MARPOL and the IBC Code**

No additional information is required.

**SAFETY DATA SHEET**  
**SUPER SEAL ADVANCED™ SMALL SYSTEMS**

**Revision Date:** February 7, 2018

**Version:** 4.0

## Section 15 – Regulatory Information

### 15.1 Safety, Health, and Environmental Regulations/Legislations Specific for the Substance or Mixture (EU Regulation)

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 On persistent organic pollutants: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006 REACH Annex XIV Substances subject to authorization, as amended: none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work: none

Directive 92/85/EC on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding: none

Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work: none

### 15.2 Chemical Safety Assessment

A chemical safety assessment has not been conducted on this substance.

## Section 16 – Other Information

This version 4.1 (February 7, 2018) has been updated from version 4.0 and conforms to the requirements of REACH

### Full text of other abbreviations

**wt%** = weight percentage; **CLP** - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; **CMR** - Carcinogen, Mutagen or Reproductive Toxicant; **ECHA** - European Chemicals Agency; **EC-Number** - European Community number; **EC<sub>x</sub>** - Concentration associated with x% response; **EL<sub>x</sub>** - Loading rate associated with x% response; **ErC<sub>x</sub>** - Concentration associated with x% growth rate response; **GHS** - Globally Harmonized System; **IARC** - International Agency for Research on Cancer; **IATA** - International Air Transport Association; **IBC** - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; **IC<sub>50</sub>** - Half maximal inhibitory concentration; **IMDG** - International Maritime Dangerous Goods; **ISO** - International Organisation for Standardization; **LC<sub>50</sub>** - Lethal Concentration to 50 % of a test population; **LD<sub>50</sub>** - Lethal Dose to 50% of a test population (Median Lethal Dose); **NO(A)EC** - No Observed (Adverse) Effect Concentration; **NO(A)EL** - No Observed (Adverse) Effect Level; **NOELR** - No Observable Effect Loading Rate; **OECD** - Organization for Economic Co-operation and Development; **OPPTS** - Office of Chemical Safety and Pollution Prevention; **PBT** - Persistent, Bioaccumulative and Toxic substance; **(QSAR)** - (Quantitative) Structure Activity Relationship; **REACH** - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; **RID** - Regulations concerning the International Carriage of Dangerous Goods by Rail; **SDS** - Safety Data Sheet; **vPvB** - Very Persistent and Very Bioaccumulative; **Comp** - Composition

**SAFETY DATA SHEET**  
**SUPER SEAL ADVANCED™ SMALL SYSTEMS**

**Revision Date:** February 7, 2018

**Version:** 4.0

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All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.