



# Safety Data Sheet Filling Compound

Heat Defender™ LA4000

LA4000

## Section 1 - Identification of the Substance/Preparation and the Company/Undertaking

### Manufacturer Information

Info-Gel, LLC

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Annacotty Co. Limerick IRELAND

Info-Gel, LLC

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## Section 2 - Composition / Information on Ingredients

EC #	Component	Percent	Symbols	Risks
—	1-Decene, homopolymer 68037-01-04	75-95		
—	Fumed amorphous silica 67762-90-7	1-12		
—	Styrene-Ethylene/Propylene-(Styrene) Polymer 68648-89-5	1-12		
—	Benzenepropanoic acid, 3,5-bis (1,1-dimethylethyl)- 4-hydroxy-, octadecylester 2082-79-3	0.4-2		

## Section 3 - Hazards Identification

### Human and Environmental Hazards

None

## Section 4 - First Aid Measures

### First Aid: Eyes

Irrigate copiously with clean water for a least 15 minutes, holding the eyelids apart. Remove contact lenses. Obtain medical attention.

### First Aid: Skin

Remove contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognised skin cleaner.

### First Aid: Ingestion

If accidentally swallowed, obtain immediate medical attention.

### First Aid: Inhalation

None necessary.

## Section 5 - Fire Fighting Measures

### General Fire Hazards

Exposure to hazardous decomposition products may cause a health hazard. Fire will produce dense black smoke.

### Hazardous Combustion Products

Exposition to high temperatures may produce hazardous decomposition products such as: carbon dioxide, carbon monoxide and smoke.

### Extinguishing Media

CO<sub>2</sub>, sand, extinguishing powders. Do not use water.

### Fire Fighting Equipment/Instructions

Exposure to hazardous decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

### Section 6 - Accidental Release Measures

#### Containment Procedures

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container according to local regulations.

#### Clean-Up Procedures

The contaminated area should be cleaned up immediately with a suitable decontaminant.

#### Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

#### Special Procedures

If the product contaminates rivers and lakes or sewages, inform respective authorities. Do not allow to enter drains.

### Section 7 - Handling and Storage

#### Handling Procedures

Product should only be used in areas in which all naked lights and other sources of ignition have been excluded. Preparation may be charged electrostatically. When transferring from one container to another apply grounding measures and use conductive hose material. Avoid skin and eye contact. Smoking, eating and drinking should be prohibited in application area. Comply with health and safety at work laws. Protect against electrostatic charges. The product forms flammable fumes when overheated.

#### Storage Procedures

Keep container tightly closed. No smoking. Containers which are opened, must be carefully resealed and kept upright to prevent leakage. Store away from oxidizing agents and strongly alkaline or acidic materials. Observe label precautions. Store in a dry, well ventilated place. Always keep in containers of the same material as the original one.

#### Specific Use

Filler/Extender

### Section 8 - Exposure Controls / Personal Protection

#### Substance Exposure Limits

The EU, ACGIH, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Portugal, Spain, Sweden, and United Kingdom have not developed exposure limits for any of the substances in this preparation.

#### Engineering Controls

None needed

#### PERSONAL PROTECTIVE EQUIPMENT

##### Personal Protective Equipment: Eyes/Face

Tightly sealed safety glasses

##### Personal Protective Equipment: Skin

For prolonged or repeated contact use gloves. Working clothes must not consist of textiles which show a dangerous melting behavior in case of fire. All parts of the skin should be washed after contact.

##### Personal Protective Equipment: Respiratory

None needed

##### Personal Protective Equipment: General

None

## Section 9 - Physical & Chemical Properties

<b>Appearance:</b>	Colorless, opaque	<b>Odor:</b>	Aromatic
<b>Physical State:</b>	Paste	<b>pH:</b>	ND
<b>Vapor Pressure:</b>	ND	<b>Vapor Density:</b>	ND
<b>Boiling Point:</b>	ND	<b>Melting Point:</b>	NA
<b>Solubility (H2O):</b>	Not miscible	<b>Specific Gravity:</b>	0.84 g/cm <sup>3</sup>
<b>Evaporation Rate:</b>	ND	<b>VOC:</b>	ND
<b>Viscosity:</b>	circa. 20,000 mPas	<b>Octanol/H2O Coeff.:</b>	ND
<b>Flash Point:</b>	>260°C	<b>Flash Point Method:</b>	ND
<b>Upper Flammability Limit (UFL):</b>	ND	<b>Lower Flammability Limit (LFL):</b>	ND
<b>Burning Rate:</b>	ND	<b>Auto Ignition:</b>	>400°C

## Section 10 - Chemical Stability & Reactivity Information

### Chemical Stability

Stable under recommended storage and handling conditions

### Chemical Stability: Conditions to Avoid

None

### Incompatibility

Keep well away from oxidizing agents and strongly alkaline or strongly acid materials.

### Hazardous Decomposition

Exposition to high temperatures may produce hazardous decomposition products such as: carbon dioxide, carbon monoxide and smoke.

### Hazardous Polymerisation

Will not occur.

## Section 11 - Toxicological Information

### Potential Health Effects

#### A: General Product Information

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in a non-allergic contact dermatitis. The liquid splashed in the eyes may cause irritation and irreversible damage.

#### B: Substance Analysis - LD50/LC50

Benzenepropanoic acid, 3,5-bis (1,1-dimethylethyl)- 4-hydroxy-, octadecyl ester  
 Inhalation LC50 Rat >1.8 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rat >2000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

### Carcinogenicity

#### A: General Product Information

No information available for the product.

#### B: Substance Carcinogenicity

None of the substances in this preparation are listed by IARC, Austria, Belgium, Denmark, France, Germany, Ireland, Luxembourg, Netherlands, Spain, or United Kingdom.

## Section 12 - Ecological Information

### Ecotoxicity

#### A: General Product Information

No information available for the product

#### B: Substance Analysis - Ecotoxicity - Aquatic Toxicity

**Benzenepropanoic acid, 3,5-bis (1,1-dimethylethyl)- 4-hydroxy-, octadecyl ester**

##### Test & Species

96 Hr LC50 *Lepomis macrochirus*  
 72 Hr EC50 *Desmodesmus subspicatus*  
 24 Hr EC50 *Daphnia magna*

##### Conditions

>100 mg/L (static)  
 >30 mg/L  
 >100 mg/L

## Section 12 - Ecological Information (continued)

### Mobility

No information available for the product.

### Persistence & Degradation

No information available for the product.

### Bioaccumulation

No information available for the product.

### Other Adverse Effects

Slightly hazardous for water. Do not allow product to reach ground (self assessment): water, water bodies or sewage system, even in small quantities.

## Section 13 - Disposal Considerations

### Waste Disposal Instructions

Must not be disposed of together with household garbage. Do not allow to enter drains. Emptied containers should be disposed of into scrap recycling or reconditioning respectively.

## Section 14 - Transportation Information

### IATA Information

Shipping Name: Not Regulated

### ICAO Information

Shipping Name: Not Regulated

### IMDG Information

Shipping Name: Not Regulated

## Section 15 - Regulatory Information

### EU MARKING AND LABELLING:

#### Symbol(s):

None

#### Safety Phrases:

#### A: General Product Information

None

#### B: Substance Analysis

Component/CAS	EC #	EEC	CAN	TSCA
1-Decene, homopolymer 68037-01-4	—	No	DSL	Yes
Fumed amorphous silica 67762-90-7	—	No	DSL	Yes
Styrene-Ethylene/Propylene-(Styrene) Polymer 68648-89-5	—	No	DSL	Yes
Benzenepropanoic acid, 3,5-bis (1,1-dimethylethyl)-4-hydroxy-, octadecyl ester 2082-79-3	—	EINECS	DSL	Yes

## Section 16 - Other Information

### Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; OT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; WA = Time Weighted Average

### Other Information

The information on this Safety Data Sheet is based on the present state of our knowledge and on current EU and national laws. The user's working conditions are beyond our knowledge and control. It is always the responsibility of the user to take all necessary steps in order to fulfill the demands laid in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of our product. It is not to be considered as a guarantee of the product's properties.