Safety Data Sheet
Filling Compound

Weight Defender™ LD345

LD345

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

Manufacturer Information

Info-Gel, LLC
Unit 16, Annacotty Industrial Estate
Annacotty Co. Limerick IRELAND

Info-Gel, LLC
2311F Distribution Center Drive
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Contact: Info-Gel Sales
Email: sales@info-gel.com

Section 2 - Composition / Information on Ingredients

EC #	Component	Percent	Symbols	Risks
—	Alkenes, C15-16, polymd., hydrogenated 172201-14-8	85-95		
—	Benzene, ethenyl-, polymer with 2-methyl-1,3-butadiene, hydrogenated 68648-89-5	8-13		
—	Silica, amorphous 7631-86-9	2-5		
—	Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate 2082-79-3	0-1		

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. Do NOT use solvents or thinners.

First Aid: Ingestion

Do NOT induce vomiting. Obtain 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

Alcohol resistant foam, CO2, powders, water spray. For safety reasons unsuitable extinguishing agent: Water Jet

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

Clean preferably with a detergent. Avoid use of solvents.

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

Avoid inhalation of vapour. Smoking, eating, and drinking should be prohibited in application area. For personal protection, see Section 8. Comply with health and safety at work laws. Avoid concentrations higher than the occupational exposure limits (see Section 8), if applicable.

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 foodstuffs. Store away from oxidising agents. Store in accordance with the particular national regulations concerning water pollution. Always keep in containers of the same material as the original one. Store in a dry, well ventilated place. Keep away from heat and direct sunlight.

Specific Use

Filler/Extender

Section 8 - Exposure Controls / Personal Protection

Substance Exposure Limits

Silica, amorphous (-)

Austria:	4 mg/m3 MAK (inhalable fraction)
Germany:	4 mg/m3 TWA (inhalable fraction)
	4 mg/m3 MAK (inhalable fraction)
Ireland:	6 mg/m3 TWA (total inhalable dust); 2.4 mg/m3 TWA (respirable dust)

Engineering Controls

If relevant apply technical measures to comply with the occupational exposure limits. This can be achieved by a good general extraction and if practically feasible, by the use of a local exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Use safety eyewear designed to protect against splash of liquids.

Personal Protective Equipment: Skin

For prolonged or repeated contact, use gloves. Barrier creams may help to protect the exposed areas of the skin, they should however, not be applied once exposure has occurred. The glove material has to be impermeable and resistant to the product/the substance/ the preparation. All parts of the skin should be washed after contact. Working clothes must not consist of textiles which would show a dangerous melting behavior in case of fire.

Material for gloves: Applicable for example are gloves of KCL GmbH. D36124 Eichenzell. Email: vertrieb@kcl.de with following specification (Laboratory test according EN 374)

Personal Protective Equipment: Respiratory

None needed

Personal Protective Equipment: General

None

Section 9 - Physical & Chemical Properties

Appearance:	Variable colored	**Odor:**	Characteristic
Physical State:	Liquid	**pH:**	ND
Vapor Pressure:	ND	**Vapor Density:**	ND
Boiling Point:	ND	**Melting Point:**	NA
Solubility (H2O):	Partly or not miscible	**Specific Gravity:**	0.45 g/cm3
Evaporation Rate:	ND	**VOC:**	ND
Octanol/H2O Coeff.:	ND	**Flash Point:**	>200°C
Flash Point Method:	ND	**Upper Flammability Limit (UFL):**	ND
Lower Flammability Limit (LFL):	ND	**Burning Rate:**	ND
Auto Ignition:	>300°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 oxidising agents and strongly alkaline or strongly acid materials in order to avoid exothermic reactions.

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
None anticipated

B: Substance Analysis - LD50/LC50

Silica, amorphous (-)
Oral LD50 Rat >5000 mg/kg; Inhalation LC50 Rat >2.2 mg/L 1 h; Dermal LD50 Rabbit >2000 mg/kg

Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate (-)
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

Silica, amorphous (-)
IARC: Monograph 68 [1997]; Supplement 7 [1987] (Group 3 (not classifiable)

Section 12 - Ecological Information

Ecotoxicity

A: General Product Information
No information available for the product

B: Substance Analysis - Ecotoxicity - Aquatic Toxicity

Silica, amorphous (-)

Test & Species		Conditions
96 Hr LC50 Brachydanio rerio	5000 mg/L [static]	440 mg/L
	72 Hr EC50 Pseudokirchneriella subcapitata	48 Hr EC50 Ceriodaphnia dubia 7600 mg/L

Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate (-)

Test & Species		Conditions
	96 Hr LC50 Lepomis macrochirus	>100 mg/L [static]
96 Hr LC50 Lepomis macrochirus	>100 mg/L	>30 mg/L
	72 Hr EC50 Desmodesmus subspicatus	24 Hr EC50 Daphnia magna >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
The product should not be allowed to enter water courses or soil.

Section 13 - Disposal Considerations

Waste Disposal Instructions
Do not allow to enter drains. Can be disposed in landfill.

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):
Not Classified

Risk Phrases:
None

Safety Phrases:
None

A: General Product Information
None

B: Substance Analysis - Inventory

Component/CAS	EC #	EEC	CAN	TSCA
Alkenes, C15-16, polymd., hydrogenated 172201-14-8	—	No	NDSL	Yes
Benzene, ethenyl-, polymer with 2-methyl-1,3-butadiene, hydrogenated 68648-89-5	—	No	DSL	Yes
Silica, amorphous 7631-86-9	—	EINECS	DSL	Yes
Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate 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; DOT = 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; TWA = 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.