

**WINGSTAY® SN-1**

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**1. Identification of the substance and company**

Trade name	WINGSTAY SN-1
Type of product and use	Antioxidant.
Company identification	ELIOKEM 14, Avenue des Tropiques Z.A. de Courtaboeuf 2 Villejust 91955 Courtaboeuf Cedex FRANCE
Emergency phone nr	
- Company	+33 1.69.29.27.00
- Chemical Transportation Emergency	CHEMTREC United States: + 1.800.424.9300 CHEMTREC International: + 1.703.527.3887
- National Poisons Information Center, Tel	+44 1716 35 91 91 (London) +30 17 79 37 77 (Athens)

**2. Information on ingredients**

Chemical family	Thioester
Chemical name	Propanoic acid, 3-(dodecylthio)-, oxybis (2,1-ethanedioxy-2,1-ethanedioyl) ester. Diester of 3-(dodecylthio) propionic acid and tetraethylene glycol. Alkylthiopropionate ester.
CAS number	64253-30-1

**3. Hazards identification**

Major hazards	May cause minor eye irritation. May produce skin irritation.
Risk Phrases	R50 - Very toxic to aquatic organisms.

**4. First aid measures**

Inhalation	Remove to fresh air.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with mild soap/water.
Eye contact	Irrigate with plenty of water.
Ingestion	Seek medical advice.

**5. Fire - fighting measures**

Extinguishing media	Carbon dioxide, dry chemicals, foam, water spray (fog).
Special exposure hazards	Burning material may emit noxious fumes.
Special intervention methods	Self contained breathing apparatus.

**6. Accidental release measures**

After spillage / leakage	Absorb with appropriate material. Sweep or shovel spills into appropriate container for disposal.
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**HARWICK STANDARD  
DISTRIBUTION CORPORATION**  
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<b>7. Handling and storage</b>		
Storage	Store in dry, well-ventilated area. Keep away from heat and sources of ignition.	
Handling	Handle in accordance with good industrial hygiene and safety procedures. Use Neoprene or rubber gloves. Avoid vapour or mist inhalation. Avoid repeated contact. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.	
<b>8. Exposure controls / personal protection</b>		
Industrial hygiene	Use adequate ventilation.	
Personal protection	Where contact with eyes or skin is likely, wear suitable protection.	
Skin protection	Use Neoprene or rubber gloves.	
Eye protection	Use safety glasses.	
<b>9. Physical and chemical properties</b>		
Physical state at 25°C	Liquid above 27°C	
Colour	Colourless liquid to white solid depending on ambient temperature.	
Odour	Characteristic.	
Initial boiling point (°C)	> 300	
Density (kg/m3)	975 ( 40°C)	
Solubility in water	Insoluble.	
Solubility (Other)	Soluble in aromatic hydrocarbons.	
Flash point (°C)	186	
Explosion limits	Not established.	
- Lower (%)	Not established.	
- Upper (%)	Not established.	
Thermal decomposition	> 500°C	
<b>10. Stability and reactivity</b>		
Stability	Stable	
Materials to avoid	Strong alkalis, strong oxidizing agents.	
Conditions to avoid	None under normal conditions.	
Hazardous decomposition products	CO, CO2, alkenes, thiophenes, Oxides of sulfur	
<b>11. Toxicological information</b>		
Rat oral LD50 (mg/kg)	3359	
Rabbit dermal LD50 (mg/kg)	> 10	
Rat inhalation LC50 (ppm)	Not established.	
Dermal irritation (rabbit)	Albino Rabbit: The Primary Irritation Index was 0.83.	
Eyes irritation (rabbit)	Non-irritating.	
Sensitization	In the Guinea Pig Sensitization Maximization Test (Magnusson-Kligman), this substance did not cause dermal sensitization induced at 1.5% and 20%, and challenged at a 20% concentration.	

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<b>12. Ecological information</b>		
Ecological effects information		
72 Hour-EC50-Green alga (mg/l)	0.065	(Biomass growth and growth rate)
48 Hour-EC50-Daphnids (mg/l)	0.097	
96 Hour-LC50-Red killifish (mg/l)	2.3	
Biodegradation (%)	> 60	(OECD 301B)
Log P octanol / water at 20°C	>4	
WGK class (Germany)	2	
<b>13. Disposal considerations</b>		
Disposal	If possible, Recycle. Burn concentrated liquids. Dispose in a safe manner in accordance with local/national regulations.	
<b>14. Transportation information</b>		
Classification	9	
Class	UN 3077, Environmentaly hazardous substance, solid, nos (Propanoic acid, 3-(dodecylthio)-, oxybis (2,1-ethanedioxy-2,1-ethanediyl) ester)	
- UN No.	3077, 9, M7, III, 90	
- ADR/RID	3077, 9, III	
- IMO-IMDG code	3077, 9, III, 911	
- ICAO/IATA	Not subject to DOT regulation.	
- US DOT		
<b>15. Regulatory information</b>		
EC Labelling	N: Dangerous for the environment	
Symbols	R50 - Very toxic to aquatic organisms.	
R Phrases	S60 - This material and its container must be disposed of as hazardous waste.	
S Phrases	S61 - Avoid release to the environment. Refer to special instructions / Safety data sheets.	
- EINECS nr	264-757-0	
<b>16. Other information</b>		
Further information	This material is a high molecular weight antioxidant.	
Reasons for revision	Chapter 1, 2, 11, 12, 14, 06/02/2003	
Revised date 7/2/3	Supersedes 7/10/2	Printed : 07/02/03
Eliokem believe that the information herein is correct at the date that this Material Safety Data Sheet was prepared. The data may not be exhaustive and should only be used as a guide to determine the best conditions for the safe use of the product. Eliokem is not responsible for any injury or liability resulting from misuse of this product.		
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