

WINGSTAY LA FLAKE

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1. Identification of the substance and company

Trade name	WINGSTAY LA FLAKE
Chemical name	Phenol, 4-methyl-, reaction product with dicyclopentadiene and isobutylene. Butylated reaction product of p-cresol and dicyclopentadiene.
CAS number	68610-51-5
Company identification	ELIOKEM, Inc 1452 East Archwood Avenue Suite 240 Akron, Ohio, 44306-3296 U.S.A.
Emergency phone nr	
- Company	+ 1.866.354.6536
- Chemical Transportation Emergency	CHEMTREC United States: + 1.800.424.9300 CHEMTREC International: + 1.703.527.3887

2. Information on ingredients

Chemical family	Antioxidant.
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3. Hazards identification

Emergency Overview	If ignited by excessive heat or open flame, this product will burn. Powder or dust may form explosive concentrations when mixed in sufficient quantities in air.
Appearance	Flakes.
Colour	Tan.
Potential Health Effects	
Primary Routes of Entry	Dermal contact -Inhalation
Short Term Exposure	May cause irritation of the eyes and upper respiratory tract.
Long Term Exposure	None expected.

4. First aid measures

Inhalation	If overcome by exposure, remove victim to fresh air immediately.
Skin contact	Wash skin thoroughly with mild soap/water.
Eye contact	Irrigate with plenty of water. Particulates should be removed from the eye by trained medical personnel only.
Ingestion	Seek medical advice.

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5. Fire - fighting measures

Flash point (°C)	> 280 (Open cup. Cleveland)
Explosion limits	
- Lower (%)	Not applicable.
- Upper (%)	Not applicable.
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.
NFPA rating	Health: 1; Fire: 1; Reactivity: 0; Specific:
Hazard rating	0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme

6. Accidental release measures

After spillage / leakage	No special procedures required. Sweep or shovel spills into appropriate container for disposal.
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7. Handling and storage

General	Good housekeeping must be practiced during storage, transfer, handling, and use of this material to avoid excessive dust accumulation.
Storage	Excessive dust in the air, with an ignition source, may cause explosion. Store in dry, well-ventilated area. Keep away from heat and sources of ignition.
Handling	Avoid raising any powdered material into dust explosion hazard. Take precautionary measures against static discharge during blending and transfer operations. <u>Ground and bond all transfer and storage equipment: use non-sparking tools and equipment.</u> Handle in accordance with good industrial hygiene and safety procedures.

8. Exposure controls / personal protection

Industrial hygiene	Use adequate ventilation to keep vapour concentrations below applicable standard.
Personal protection	Where contact with eyes or skin is likely, wear suitable protection. Approved dust respirator.
Ventilation protection	There should be enough fresh air flowing past the user to keep the dust levels below 10 mg/M3 total and 3 mg/M3 respirable particulates (Nuisance dust TLV - 8-hr. time weighted average).

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9. Physical and chemical properties

Melting point (°C)	115
Initial boiling point (°C)	280 -Approximately
Density at 25°C (kg/m3)	1100
Solubility in water	Insoluble.
Solubility (Other)	Soluble in aromatic hydrocarbons.
Auto-ignition temperature (°C)	445 (Deposit)
Thermal decomposition	> 300°C
Others	Minimum Ignition Energy (mJ) <10(Dust)

10. Stability and reactivity

Stability	Stable
Materials to avoid	None known. None expected.
Conditions to avoid	None under normal conditions.
Hazardous decomposition products	CO, CO2, H2O, Phenolic type compounds.

11. Toxicological information

Rat oral LD50 (mg/kg)	> 16,000
Rabbit dermal LD50 (mg/kg)	Not established.
Rat inhalation LC50 (ppm)	> 163, 1h
Dermal irritation (rabbit)	New Zealand White rabbits: The primary irritation score was 0.25. This material is not irritating to the skin.
Sub chronic toxicity	In a 90-day dietary study in rats, Wingstay L produced minor blood effects and organ weight increases. NOAEL was 1500 ppm, NOEL was 500 ppm. Rats fed Wingstay L for up to 28 days and averaging 866 mg (approximately 10,000 ppm) or greater in feed, demonstrated severe systemic toxicity. Rats died when fed extremely high dose levels of Wingstay L (25,000 and 50,000 ppm in feed).
Genetic toxicity	Chromosomal Aberration Assay in Chinese Hamster Ovary (CHO) cells: negative. E.coli Pol A1- assay for DNA damage: negative. The substance was considered negative for inducing forward mutations at the HGPRT locus in CHO cells under both non-activation and activation conditions. In the Salmonella typhimurium/Escheria coli Plate Incorporation/ Preincubation Mutation Assay, under both nonactivation and activation conditions, this substance was negative for inducing reverse mutations.
Other toxicity	This material, when administered by gavage, during major organogenesis in CD (Sprague-Dawley) rats resulted in no indication of teratogenicity, but did result in increased incidences of common fetal skeletal variations at 1000, 2000 and 3000 mg/kg/day in the absence of any other indicators of developmental toxicity. The NOAEL for maternal toxicity was 1000 mg/kg/day and the NOAEL for developmental toxicity was at or below 1000 mg/kg/day in rats.

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12. Ecological information

Ecological effects information

96 Hour-LC50-fish (mg/l)

> 0.2 No Toxicity Demonstrated at Limit of Solubility (0.2 mg/l)

48 Hour-LC50-Daphnia magna (mg/l)

> 0.2 No Toxicity Demonstrated at Limit of Solubility (0.2 mg/l)

13. Disposal considerations

Disposal

If possible, Recycle. Burn solid waste. Dispose in a safe manner in accordance with local/national regulations.

Disposal

Based upon most recent TCLP data and process knowledge, this product , as sold, would not be hazardous waste (if disposed) per 40CFR 261.24.

14. Transportation information

Classification

Not classified.

- UN No.

- IMO-IMDG code

- ICAO/IATA

Basic description

Not applicable.

Freight Description

Rubber Preservatives, NOI. NMFC 172160.

Primary hazard class

Not applicable.

Subsidiary hazard class

Not applicable.

Labels required

Not applicable.

Reportable quantity

Not applicable.

STCC number

2818380AA

15. Regulatory information

- EINECS nr

271-867-2

USA Canada

This material is not considered hazardous under the OSHA Hazard Communication Standard CFR Title 29, Part 1910.1200 or the WHMIS Canadian legislation.

This product does not contain a SARA S-313 Toxic Chemical above the de minimis thresholds.

WHMIS Classification

None.

SARA 311/312 Classification

None.

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16. Other information

Further information

This material is a high molecular weight antioxidant.

Revised date 26/9/2

Supersedes 21/3/2

Printed : 26/09/02

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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