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Version 4

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product identifier**

Product Name **WINGSTAY L FLAKES**

**Other means of identification**

Synonyms None

**Recommended use of the chemical and restrictions on use**

Recommended Use Industrial.  
Uses advised against No information available

**Details of the supplier of the safety data sheet**

**Supplier Address**

OMNOVA Solutions Inc.  
25435 Harvard Road  
Beachwood, OH 44122-6201  
Telephone: +1 216-682-7000

**E-mail address**

SDS@OMNOVA.com

**Emergency telephone number**

Emergency Telephone Chemtrec 1-800-424-9300 Chemtrec international: +1 703 527 3887

**2. HAZARDS IDENTIFICATION**

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Reproductive toxicity	Category 2
Combustible dust	-

**Label elements**

**Emergency Overview**

**Warning**

**Hazard statements**

Suspected of damaging fertility or the unborn child  
May form combustible dust concentrations in air



<b>Appearance</b> flakes	<b>Physical state</b> Solid	<b>Odor</b> uncharacteristic
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**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required

**Precautionary Statements - Response**

IF EXPOSED or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical name	CAS No	Weight-%	Trade Secret
Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene.	68610-51-5	<=100	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of first aid measures****Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

**Inhalation**

Remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion**

Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed****Symptoms**

No information available.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Dry chemical, CO2 or water spray.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical**

Combustible material. Avoid creating dust. May form explosive mixtures with air.

**Explosion data**

Dusts or fumes may form explosive mixtures in air

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions**

Avoid creating dust. Under dusty conditions, static electricity may cause an explosion. Dissipate static electricity. Remove all ignition sources.

**Environmental precautions**

**Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment**

Prevent dust cloud. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling**

Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. Avoid creating dust. Good housekeeping must be practiced during storage, transfer, handling, and use of this material to avoid excessive dust accumulation in the form of deposit. All transfer and storage equipment should be metallised and earthed.

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

**Storage Conditions**

Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Use spark-proof tools and explosion-proof equipment.

**Incompatible materials**

Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	CAS No	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene.	68610-51-5	-	-	-

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Solid	<b>Odor threshold</b>	No information available
<b>Appearance</b>	flakes.	<b>Odor</b>	uncharakteristic
<b>Color</b>	light brown		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No information available
Melting point / freezing point		No information available
Boiling point / boiling range		No information available
Flash point	> 280 °C / 536 °F	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability or explosive limits		No information available
Lower flammability or explosive limits		No information available
Vapor pressure		No information available
Vapor density		No information available
Water solubility	<0.01 mg/l	
Solubility in other solvents		No information available
Partition coefficient	7.56 (30°C)	
Autoignition temperature	445 °C / 833 °F	deposit
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties		No information available
Oxidizing properties		No information available

**Other information**

<b>Explosion severity</b>		
Danger of Explosion, cloud	ST2 (VDI 3673)	
Minimum Ignition Energy, Cloud, mJ	<10 mJ	
KST, (cloud), bar.m.s-1	280 bar.m.s-1	
Pmax maximum explosion pressure, Cloud, bar	8.6 bar	
VMP, (cloud), bar.s-1		No information available
LOC Limiting Oxygen Concentration, Cloud, %v/v O2	8 %v/v O2	
Softening point		No information available
Molecular weight		No information available
Liquid Density		No information available

<b>Bulk density</b>	0.55	
<b>Specific Gravity</b>		No information available
<b>Granulometry</b>		No information available
<b>Moisture content</b>		No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to avoid

Dust formation. Take precautionary measures against static discharges.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Ingestion</b>	No data available.

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene. 68610-51-5	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 165 mg/L ( Rat ) 1 h

Component	Reproductive Tox
Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene. 68610-51-5 ( <=100 )	Test type: Pre-natal Species: Rabbit, female Method: OECD test Guideline 414 General toxicity maternal: NOAEL: 50 mg/kg Developmental toxicity: NOAEL: 15 mg/kg Symptoms: skeletal malformations

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No information or data specific to the product on this toxicological (health) effect is available
<b>Germ cell mutagenicity</b>	No information or data specific to the product on this toxicological (health) effect is available.
<b>Carcinogenicity</b>	No information or data specific to the product on this toxicological (health) effect is available.
<b>Reproductive toxicity</b>	Possible risk of harm to the unborn child. .
<b>STOT - single exposure</b>	No information or data specific to the product on this toxicological (health) effect is available.
<b>STOT - repeated exposure</b>	No information or data specific to the product on this toxicological (health) effect is available.
<b>Aspiration hazard</b>	No information or data specific to the product on this toxicological (health) effect is available.

**Numerical measures of toxicity - Product Information****12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical name	Fish
Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene.	>0.2 mg/L LC50 96 h Oncorhynchus mykiss semi-static
Chemical name	Crustacea
Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene.	>0.2 mg/L EC50 48 h Daphnia magna
Chemical name	Algae/aquatic plants
Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene.	>0.2 mg/L EC50 72 h Pseudokirchneriella subcapitata

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical name	Partition coefficient
Phenol, 4-Methyl-, Reaction Products With Dicyclopentadiene And Isobutylene. 68610-51-5	7.56

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION****DOT** Not regulated

<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>MEX</u>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

AICS	Yes
DSL	Yes
IECSC	Yes
EINECS	Yes
ENCS	Yes
KECL	Yes
PICCS	Yes
TSCA	Yes
NZIoC	Yes

### Legend:

AICS - Australian Inventory of Chemical Substances  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 IECSC - China Inventory of Existing Chemical Substances  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 NZIoC - New Zealand Inventory of Chemicals

### US Federal Regulations

TSCA Section 12(b) - Chemical Export Notification:	None Listed
TSCA Section 5(a)(2) – Final Significant New Use Rules:	None Listed
TSCA Section 5(a)(2) - Proposed Significant New Use Rules:	None Listed
TSCA Section 5(e) – New Chemical Exposure Limits (NCELs):	None Listed

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65

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Toluene - 108-88-3	Developmental
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**16. OTHER INFORMATION**

Revision Date 22-Oct-2019

Revision Note

Revision Note

SDS sections updated: 4, 5, 6, 9, 8, 11.

**Disclaimer**

The information provided above is intended as a guide to assist in the safe handling, use, processing, storage, transportation, disposal and release of the material listed. Nothing contained herein is to be considered as an express or implied warranty of performance or quality. The information relates only to the specific material designated and may not be applicable when such material is used in combination with any other materials or as part of any process, except as otherwise expressly described herein. The information is believed to be true and correct as of the date issued. Always make sure you are using the most current information available. The material described herein is produced for commercial and industrial use only and unless otherwise specifically designated by the manufacturer in writing has not received any specific regulatory approval such as approvals for food contact or for use in medical/surgical applications or devices. It is buyer and user's sole and exclusive responsibility to ensure that any handling, use, processing, storage, transportation, disposal and release of the material complies with all applicable laws, rules and regulations.

**End of Safety Data Sheet**