

**1 Identification of the substance/mixture and of the company/undertaking**

- **Product identifier**
- **Trade name:** WINGSTAY® S POWDER
- **Article number:** WSTSP
- **Application of the substance / the preparation** Antioxidant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
OMNOVA Solutions Inc  
1380 Techway drive  
Akron, OH 44306-2532  
U.S.A.  
msds@omnovasolutions.com
- **Information department:** HSE.
- **Emergency telephone number:**  
CHEMTREC United States: +1.800.424.9300  
CHEMTREC International: +1.703.527.3887  
During normal opening time: +1.330.628.9925 - +1.330.628.6500

**2 Composition/information on ingredients**

- **Chemical characterization:** Mixtures

· **Description:**

112926-00-8	Silice amorphe hydratée (CAS 7631-86-9)	28-32%
-------------	---	--------

· **Dangerous components:**

61788-44-1	Phenol, styrenated	H411 H303; H401	68-72%
108-95-2	phenol	H301; H311; H331 H341; H373 H314	<0.8%
100-42-5	styrene	H226 H332; H315; H319	<0.08%
100-41-4	ethylbenzene	H225 H332	<0.04%

**3 Hazards identification**

· **Hazard description:**

If ignited by excessive heat or open flame, this product will burn.  
Dust can combine with air to form an explosive mixture.

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of international guidelines.

· **Additional information:**

Excessive contact with the powder may cause drying of the mucous membranes of the nose, eyes, and throat due to absorption of moisture and oils.

· **Information pertaining to particular dangers for man and environment:**

May cause eye, skin and/or respiratory tract irritation.  
May cause long-term adverse effects in the aquatic environment

(Contd. on page 2)

USA

**Trade name: WINGSTAY® S POWDER**

(Contd. of page 1)

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 1  
Reactivity = 0

**4 First aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Immediately call a doctor.

**5 Firefighting measures**

- **Suitable extinguishing agents:**  
Foam  
Carbon dioxide, dry chemicals, water spray.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Wear self-contained respiratory protective device.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Send for recovery or disposal in suitable receptacles.  
Sweep or shovel spills into appropriate container for disposal.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling**  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**  
Protect against electrostatic charges.  
Use explosion-proof apparatus / fittings and spark-proof tools.  
All transfer and storage equipment should be metallised and earthed.  
Keep ignition sources away  
Keep receptacles tightly sealed.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in dry conditions.
- **Specific end use(s)** No further relevant information available.

(Contd. on page 3)

USA

**Trade name: WINGSTAY® S POWDER**

(Contd. of page 2)

**8 Exposure controls/personal protection**

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**

**108-95-2 phenol**

PEL (USA)	19 mg/m <sup>3</sup> , 5 ppm Skin
REL (USA)	Short-term value: C60* mg/m <sup>3</sup> , C 15.6* ppm Long-term value: 19 mg/m <sup>3</sup> , 5 ppm *15-min; Skin
TLV (USA)	19 mg/m <sup>3</sup> , 5 ppm Skin; BEI
EL (Canada)	5 ppm Skin
EV (Canada)	19 mg/m <sup>3</sup> , 5 ppm Skin

**100-42-5 styrene**

PEL (USA)	Short-term value: C 200; 600* ppm Long-term value: 100 ppm *5-min peak in any 3 hrs
REL (USA)	Short-term value: 425 mg/m <sup>3</sup> , 100 ppm Long-term value: 215 mg/m <sup>3</sup> , 50 ppm
TLV (USA)	Short-term value: 170 mg/m <sup>3</sup> , 40 ppm Long-term value: 85 mg/m <sup>3</sup> , 20 ppm BEI

**100-41-4 ethylbenzene**

PEL (USA)	435 mg/m <sup>3</sup> , 100 ppm
REL (USA)	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV (USA)	Short-term value: 543 mg/m <sup>3</sup> , 125 ppm Long-term value: 87 mg/m <sup>3</sup> , 20 ppm BEI

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:** Protective gloves

· **Material of gloves**

Nitrile rubber, NBR

Rubber gloves

Neoprene gloves

· **Penetration time of glove material**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Eye protection:** Safety glasses

· **Body protection:** Use protective suit.

**9 Physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Powder

**Color:** Dark yellow

· **Odor:** Phenol-like

· **Odour threshold:** Not determined.

(Contd. on page 4)

USA

**Trade name: WINGSTAY® S POWDER**

(Contd. of page 3)

- **pH-value:** Not applicable.
- **Change in condition**
  - Melting point/Melting range:** Not applicable
  - Boiling point/Boiling range:** Not applicable
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not determined.
- **Ignition temperature:**
  - Decomposition temperature:** Not determined
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower:** Not determined.
  - Upper:** Not determined.
- **Vapor pressure:** Not applicable.
- **Density:** Not determined.
- **Relative density** Not determined.
- **Vapour density** Not applicable.
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with**
  - Water:** DSP: 665µg/l - TSP: 7.1µg/l
  - Ketones:** Partly soluble.
  - aromatic hydrocarbons:** Partly miscible.
- **Log Kow (n-octanol/water):** DSP:6.24, (OECD Guideline 123, 2006)  
TSP:7.77, (OECD Guideline 123, 2006)
- **Viscosity:**
  - Dynamic:** Not applicable.
  - Kinematic:** Not applicable.
- **Other information** No further relevant information available.

**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Phenolic type compounds.  
Normal hydrocarbon combustion products expected.

**11 Toxicological information**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

**61788-44-1 Phenol, styrenated**

Oral	LD50	2500 mg/kg (rat) (OECD 423)
------	------	-----------------------------

**108-95-2 phenol**

Oral	LD50	317 mg/kg (rat)
Dermal	LD50	850 mg/kg (rabbit)

(Contd. on page 5)

USA

**Trade name: WINGSTAY® S POWDER**

(Contd. of page 4)

- **Primary irritant effect:**
- **on the skin:**  
No irritant effect.  
(similar product).  
(Primary component)
- **on the eye:**  
No irritating effect.  
Not determined  
(Primary component)
- **Sensitization:**  
No sensitizing effects known.  
(similar product).  
(Primary component)

**12 Ecological information**

· **Acquatic toxicity:**

**61788-44-1 Phenol, styrenated**

EC50 (48 h)	DSP: >0.249 mg/l (daphnia)
EC50 (72 h)	DSP: 0.326 mg/l (algae)

- **Persistence and degradability** Not easily biodegradable
- **Other information:**  
21 days-NOEC-Reproduction, Daphnia Magna:  
DSP: 115µg/l  
TSP: 35µg/l: Absence of long term effect at the limit of water solubility.  
72h-NOEC-Algae:  
DSP: 140µg/l;  
TSP: 5.15µg/l. Absence of long term effect at the limit of water solubility.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
The material is harmful to the environment.

**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- **UN-Number**
- **DOT, ADN** Void
- **ADR, IMDG, IATA** UN3077
- **UN proper shipping name**
- **DOT, ADN** Void
- **ADR** 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S. (Phenol, styrenated)
- **IMDG, IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S. (Phenol, styrenated)

(Contd. on page 6)

USA

**Trade name: WINGSTAY® S POWDER**

(Contd. of page 5)

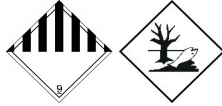
· **Transport hazard class(es)**

· **DOT, ADN**

· **Class**

Void

· **ADR**



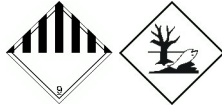
· **Class**

9 (M7) Miscellaneous dangerous substances and articles

· **Label**

9

· **IMDG, IATA**



· **Class**

9 Miscellaneous dangerous substances and articles.

· **Label**

9

· **Packing group**

· **DOT**

Void

· **ADR, IMDG, IATA**

III

· **Environmental hazards:**

Product contains environmentally hazardous substances:  
Phenol, styrenated

· **Marine pollutant:**

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **Special marking (IATA):**

Symbol (fish and tree)

· **Special precautions for user**

Warning: Miscellaneous dangerous substances and articles

· **Danger code (Kemler):**

90

· **EMS Number:**

F-A,S-F

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

UN3077, ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, SOLID, N.O.S. (Phenol, styrenated), 9, III

**15 Regulatory information**

· **Sara**

· **Section 355 (extremely hazardous substances) >0.1%:**

108-95-2 phenol

· **Section 313 (Specific toxic chemical listings) >0.1%:**

108-95-2 phenol

· **TSCA (Toxic Substances Control Act):**

108-95-2 phenol

100-42-5 styrene

100-41-4 ethylbenzene

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency) >0.1%**

108-95-2 phenol

I

· **IARC (International Agency for Research on Cancer) >0.1%**

112926-00-8 Silice amorphe hydratée (CAS 7631-86-9)

3

108-95-2 phenol

3

(Contd. on page 7)

USA

**Trade name: WINGSTAY® S POWDER**

(Contd. of page 6)

· <b>NTP (National Toxicology Program) &gt;0.1%</b>
None of the ingredients is listed.
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health) &gt;0.1%</b>
None of the ingredients is listed.
· <b>OSHA-Ca (Occupational Safety &amp; Health Administration) &gt;0.1%</b>
None of the ingredients is listed.
· <b>Canadian substance listings:</b>
· <b>Canadian Ingredient Disclosure list (limit 0.1%)</b>
None of the ingredients is listed.
· <b>Canadian Ingredient Disclosure list (limit 1%)</b>
None of the ingredients is listed.

· **Product related hazard informations:**

· **Hazard symbols:**



Dangerous for the environment

· **This material is included in or exempt from:**

- **Australia:** AICS
- **Canada:** DSL
- **China:** IECSC
- **Europe:** EINECS
- **Japan:** ENCS
- **South Korea:** ECL
- **New Zealand:** TSA
- **Philippines:** PICCS
- **United States:** TSCA

**16 Other information**

The information provided above is intended as guidance relating to 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 or performance or quality specification. The information relates only to the specific material designated and may not apply for such material when used in combination with any other materials or in any process, except as otherwise specified herein. The information contained herein is believed to be true and correct as of the date that this Material Safety Data Sheet was issued. The material described herein is produced for commercial and industrial use and unless otherwise specifically designated by the manufacturer in writing have not received any specific regulatory approvals including, without limitation, approvals for food contact or medical/surgical applications, such as medical devices.

· **Department issuing MSDS:** HSE.

· **Contact:** msds@omnovasolutions.com

· **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organization
- NFPA: National Fire Protection Association (USA)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

· **\* Data compared to the previous version altered.**

USA