

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

- **Product identifier**
- **Trade name:** WINGSTAY® S
- **Article number:** WSTS
- **CAS Number:**  
61788-44-1
- **EC number:**  
262-975-0
- **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: Substances**
- **CAS No. Description**  
61788-44-1 Phenol, styrenated
- **Identification number(s)**
- **EC number:** 262-975-0

· **Dangerous components:**

108-95-2	phenol		H301; H311; H331 H341; H373 H314	< 1%
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**3 Hazards identification**

- **Hazard description:** If ignited by excessive heat or open flame, this product will burn.
- **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of international guidelines.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



**4 First aid measures**

- **General information:** Immediately remove any clothing soiled by the product.
- **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:** Seek immediate medical advice.

(Contd. on page 2)

USA

**Trade name: WINGSTAY® S**

(Contd. of page 1)

**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**  
Particular danger of slipping on leaked/spilled product.  
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.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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.  
Keep receptacles tightly sealed.  
Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** Keep ignition sources away
- **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.

**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

(Contd. on page 3)

USA

**Trade name: WINGSTAY® S**

(Contd. of page 2)

**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**  
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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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:**  
Face protection  
Safety glasses
- **Body protection:**  
Boots  
Use protective suit.

**9 Physical and chemical properties**

- **General Information**
- **Appearance:**
  - Form:** Fluid
  - Color:** Light yellow
- **Odor:** Phenol-like
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
  - Melting point/Melting range:** Undetermined.
  - Boiling point/Boiling range:** 232°C (450 °F)
- **Flash point:** 167°C (333 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:**
  - Decomposition temperature:** Not determined.
- **Auto igniting:** Not determined.

(Contd. on page 4)

USA

**Trade name: WINGSTAY® S**

(Contd. of page 3)

- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower:** Not determined.
  - Upper:** Not determined.
- **Vapor pressure:** Not determined.
- **Density:** Not determined.
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with**
  - Water:** DSP: 665µg/l - TSP: 7.1µg/l
  - **Ketones:** Partly soluble.
  - **aromatic hydrocarbons:** Fully miscible.
- **Log Kow (n-octanol/water):** DSP:6.24, (OECD Guideline 123, 2006)  
TSP:7.77, (OECD Guideline 123, 2006)
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **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)
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**108-95-2 phenol**

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

- **Primary irritant effect:**
  - **on the skin:**
    - No irritant effect.
    - (similar product).
  - **on the eye:**
    - No irritating effect.
    - (similar product).
- **Sensitization:**
  - No sensitizing effects known.
  - (similar product).

(Contd. on page 5)

USA

**Trade name: WINGSTAY® S**

(Contd. of page 4)

**12 Ecological information**

· **Aquatic 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.

Toxic for aquatic organisms

**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.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

**14 Transport information**

· **UN-Number**

· **DOT, ADN**

Void

· **ADR, IMDG, IATA**

UN3082

· **UN proper shipping name**

· **DOT, ADN**

Void

· **ADR**

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (Phenol, styrenated)

· **IMDG, IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (Phenol, styrenated)

· **Transport hazard class(es)**

· **DOT, ADN**

· **Class**

Void

· **ADR**



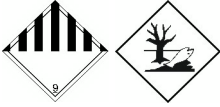
· **Class**

9 (M6) Miscellaneous dangerous substances and articles

(Contd. on page 6)

**Trade name: WINGSTAY® S**

(Contd. of page 5)

· Label	9
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· 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.
· Transport/Additional information:	
· DOT	Not applicable
· UN "Model Regulation":	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, styrenated), 9, III

**15 Regulatory information**

· Sara

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

108-95-2	phenol
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· Section 313 (Specific toxic chemical listings) >0.1%:

108-95-2	phenol
100-42-5	styrene
100-41-4	ethylbenzene

· 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
100-41-4	ethylbenzene	D

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

108-95-2	phenol	3
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· NTP (National Toxicology Program) >0.1%

Substance is not listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health) >0.1%

Substance is not listed.

(Contd. on page 7)

USA

**Trade name: WINGSTAY® S**

(Contd. of page 6)

· **OSHA-Ca (Occupational Safety & Health Administration) >0.1%**

Substance is not listed.

· **Canadian substance listings:**

· **Canadian Ingredient Disclosure list (limit 0.1%)**

Substance is not listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

Substance is not listed.

· **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  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent

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

USA