



## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION

Product identifier used on the label:

**Product Name:** Westco ODPa

Other means of identification:

**Product Description:** Used as an antioxidant in rubber applications.  
**Synonyms:** 4-octyl-N-phenylaniline, Octylateddiphenylamine

Recommended use of the chemical and restrictions on use:

**Product Use/Restriction:** Westco ODPa is an antioxidant for CR, NBR, NR and SBR. It provides excellent protection against heat aging and flex cracking. It can be used in colored stocks where slight discoloration can be tolerated

Chemical distributor, or other responsible party Name, address, and telephone number:

**Distributor Name:** Western Reserve Chemical Corporation  
**Address:** 4837 Darrow Road  
Stow, OH 44224  
USA  
**General Phone Number:** 330 650 2244  
**General Fax Number:** 330 650 2255

Emergency phone number::

**Emergency Phone Number:** Chemtrec 1 800 424 9300 USA  
**Website:** www.wrchem.com

### SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

**Signal Word:** Not applicable.  
**GHS Class:** Not applicable.  
**Hazard Statements:** Not applicable.  
**Precautionary Statements:** Not applicable.

Hazards not otherwise classified that have been identified during the classification process:

**Carcinogenicity:** Not classified.

Others

**Route of Exposure:** Eyes. Skin. Inhalation. Ingestion.  
**Eye:** Any product which produces dust has the potential to cause irritation when in contact with eyes.  
**Skin:** Any product which produces dust has the potential to cause irritation when in contact with skin.  
**Inhalation:** Any product which produces dust has the potential to cause irritation when in contact with the respiratory system.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Others	Not Applicable	Concentration: 10 %	
4-octyl-N-phenylaniline	4175-37-5	Concentration: 90 %	224-040-5

## SECTION 4 : FIRST AID MEASURES

### Description of necessary measures:

<b>Eye Contact:</b>	Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical advice if irritation develops.
<b>Skin Contact:</b>	Remove contaminated clothing. Wash off with soap and water. Get medical aid if irritation persists.
<b>Inhalation:</b>	Move to fresh air. Seek medical advice if necessary.
<b>Ingestion:</b>	Rinse mouth and then drink plenty of water. Get medical aid if necessary.
<b>Notes :</b>	<p>In all cases of doubt, or when symptoms persist, seek medical attention.</p> <p>Most important symptoms and effects, both acute and delayed: The product is not classified as harmful to human health effect.</p> <p>Indication of any immediate medical attention and special treatment needed: If skin irritation or rash occurs, get medical advice/attention.</p>

## SECTION 5 : FIRE FIGHTING MEASURES

### Suitable and unsuitable extinguishing media:

<b>Suitable Extinguishing Media:</b>	Suitable: Use carbon dioxide, foam, dry powder.
<b>Unusual Fire Hazards:</b>	Combustion products: Carbon monoxide, carbon dioxide, nitrogen oxides.

### Special protective equipment and precautions for fire-fighters:

<b>Protective Equipment:</b>	Wear self-contained breathing apparatus (SCBA) and full fire fighting protective gear.
<b>Fire Fighting Instructions:</b>	Clear area of all non-emergency personnel. Do not enter confined fire space without full protective gear and positive pressure self-contained breathing apparatus.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

<b>Personnel Precautions:</b>	<p>For non-emergency personnel: Use personal protective equipment. Avoid breathing mist and vapours. Ensure adequate ventilation. Evacuate personnel to safe areas. Handle in accordance with good industrial hygiene and safety practice.</p> <p>For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if mist, vapor or dust is generated.</p>
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### Environmental precautions:

<b>Environmental Precautions:</b>	Do not allow material to be released to the environment without proper governmental permits.
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### Methods and materials for containment and cleaning up:

<b>Spill Cleanup Measures:</b>	Wash the spill area thoroughly with water.
<b>Methods for cleanup:</b>	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty conditions. Provide ventilation.
<b>Notes :</b>	<p>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 information on disposal.</p> <p>Additional information: Clear spills immediately.</p>

## SECTION 7 : HANDLING and STORAGE

### Precautions for safe handling:

<b>Handling:</b>	<p>Protective measures: Use personal protective equipment. Avoid contact with skin and eyes. Provide appropriate exhaust ventilation. Wash hands thoroughly after handling. Remove contaminated clothing.</p> <p>Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.</p>
<b>Hygiene Practices:</b>	<ul style="list-style-type: none"><li>* Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.</li><li>* Handle in accordance with good industrial hygiene and safety practice.</li></ul>

### Conditions for safe storage, including any incompatibilities:

<b>Storage:</b>	Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Keep away from strong oxidizing agents.
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### Specific end use(s):

<b>Work Practices:</b>	<ul style="list-style-type: none"><li>* Safety showers and eye wash stations should be available.</li><li>* Use this product with adequate ventilation.</li></ul>
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## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### Appropriate engineering controls:

**Engineering Controls:** Appropriate: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

#### Individual protection measures:

**Eye/Face Protection:** Wear safety glasses.

**Skin Protection Description:** Protective clothing if contact with skin is expected.

**Hand Protection Description:** Chemical resistant gloves.

**Respiratory Protection:** Any respirator will be compliant to OSHA's Respiratory Protection Standard,

**Other Protective:** Thermal hazards: Wear suitable protective clothing to prevent heat.

#### **PPE Pictograms:**



## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

### PHYSICAL AND CHEMICAL PROPERTIES:

**Physical State:** Solid; granulated powder

**Color:** Pink to off-white

**Odor:** Not Available

**Odor Threshold:** Not Available

**Boiling Point:** 409.3 deg C (760 mmHg)

**Melting Point:** > = 87 deg C

**Density:** Relative Density (20 deg C): 0.979 g/cm<sup>3</sup>  
Bulk density (kg/m<sup>3</sup>): Not available

**Solubility:** Water solubility (g/l) at 20 deg C: Insoluble

**Vapor Density:** Not Available

**Vapor Pressure:** (25 deg C): 6.56 E-07 mmHg

**Evaporation Rate:** Not Available

**pH:** Not Available

**Flash Point:** 208.3 deg C

**Lower Flammable/Explosive Limit:** Not Available

**Upper Flammable/Explosive Limit:** Not Available

**Auto Ignition Temperature:** Not Available

**Explosive Properties:** Not Available

**Oxidizing Properties:** Not Available

#### 9.2. Other information:

**Notes :** Flammability (solid, gas): Not available.  
Ignition temperature (Deg C): Not available.

Other information:  
Fat solubility(solvent - oil to be specified) etc: Not available  
Surface tension: Not available  
Dissociation constant in water (pKa): Not available  
Oxidation-reduction Potential: Not available  
Molecular Formula: C<sub>20</sub>H<sub>27</sub>N  
Molecular Weight: 281.43

## SECTION 10 : STABILITY and REACTIVITY

### Reactivity:

**Reactivity:** The substance is stable under normal storage and handling conditions.

### Chemical Stability:

**Chemical Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

### Possibility of hazardous reactions:

**Hazardous Polymerization:** Under normal conditions, should not occur.

### Conditions To Avoid:

**Conditions to Avoid:** Strong oxidizing agents.

### Incompatible Materials:

**Incompatible Materials:** Strong oxidizing agents and acids.

#### Hazardous Decomposition Products:

**Special Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides.

**Notes :** Possibility of hazardous reactions: No dangerous reactions known.

### SECTION 11 : TOXICOLOGICAL INFORMATION

#### TOXICOLOGICAL INFORMATION:

**Skin:** LD50 (Dermal, Rat): Not available.

**Inhalation:** LC50 (Inhalation, Rat): Not available.

**Ingestion:** LD50 (Oral, Rat): >5000 mg/kg

**Sensitization:** Not classified.

**Mutagenicity:** Not classified.

**Reproductive Toxicity:** Not classified.

### SECTION 12 : ECOLOGICAL INFORMATION

#### Ecotoxicity:

**Ecotoxicity:** Acute toxicity: LC50 - Not Applicable  
Time: 96h  
Species: Fish  
Method: OECD 203  
Evaluation: Not Applicable  
Remarks: Not Applicable

Acute toxicity: EC50 - Not Applicable  
Time: 48h  
Species: Daphnia  
Method: OECD 202  
Evaluation: Not Applicable  
Remarks: Not Applicable

Acute toxicity: EC50 - Not Applicable  
Time: 72h  
Species: Algae  
Method: OECD 201  
Evaluation: Not Applicable  
Remarks: Not Applicable

#### Persistence and degradability:

**Biodegradation:** Persistence and degradability: Not available.

#### Bioaccumulative potential:

**Bioaccumulation:** Bioaccumulative potential: Not available.

**Notes :** International: EU, Canada, AICS (Australia), IECSC (China), Japan, Korea – All components listed

### SECTION 13 : DISPOSAL CONSIDERATIONS

#### Description of waste:

**Waste Disposal:** Waste treatment methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Product/Packaging disposal: If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

### SECTION 14 : TRANSPORT INFORMATION

**DOT Shipping Name:** Non regulated.

**DOT Pictograms:**



**IATA Shipping Name:** Not Regulated.

**IATA Pictograms:**



**IMDG Shipping Name :** Not Regulated.

**RID Shipping Name :** Not Regulated.

**ICAO Shipping Name:** Not Regulated.

### SECTION 15 : REGULATORY INFORMATION

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Safety, health and environmental regulations specific for the product:

**TSCA Inventory Status:** All components of this product are listed or exempted in the TSCA inventory of Chemicals Substances

**SARA:** SARA Title III: 302/304/311/312: Under extremely hazardous or hazardous chemicals – not found

**State Regulations:** CT, FL, IL, LA, MA, MI, MN, NJ, NY, PA (RTK), RI – Not listed

**Risk Phrases:** Not applicable.

**Safety Phrase:** Not applicable.

**4-octyl-N-phenylaniline :**

**EC Number:** 224-040-5

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**SECTION 16 : ADDITIONAL INFORMATION**

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HMIS Ratings:

**HMIS Health Hazard:** 1

**HMIS Fire Hazard:** 1

**HMIS Reactivity:** 0

**HMIS Personal Protection:** J

<b>Health Hazard</b>	<b>1</b>
<b>Fire Hazard</b>	<b>1</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>J</b>

**SDS Revision Date:** June 26, 2015

**MSDS Revision Notes:** Indication of changes: Amended by EU No 453/2010

**Notes :** Important Note: This information relates to the specific product described herein and may not be valid for this material when used in combination with other raw materials. The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

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