



## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** WESTCO™ DNP

### Other means of identification

**Chemical characterization:** N,N'-Di(beta-Naphthyl)-p-Phenylenediamine, Accelerator DNP, DNP

### Recommended use and restrictions on use

**Recommended use:** Rubber antioxidant

**Restrictions on use:** No additional information available

### Supplier information

**Supplier:** Western Reserve Chemicals

**Supplier Address:** 4837 Darrow Road,  
Stow, OH 44224 USA

**Telephone:** 330-650-2244

**Fax:** 330-650-2255

**Website:** [www.wrchem.com](http://www.wrchem.com)

**Emergency phone number:** Chemtrec: 1-800-424-9300 US

## SECTION 2 – HAZARD(S) IDENTIFICATION

### GHS Classification of the substance or mixture in accordance with 29 CFR 1910.1200

Skin Sensitization, Category 1

Eye Damage/Irritation, Category 2B

### GHS Label Elements



**Hazard Symbol:**

**Signal word:** Warning

### Hazard statements:

May cause an allergic skin reaction.

Causes eye irritation.



**Precautionary Statements:**

**Prevention:**

Avoid breathing dust/fume/gas/mist/vapor/spray.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves.  
Wash hands and face thoroughly after handling.

**Response:**

IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

**Disposal**

Dispose of contents and/or container to a licensed waste disposal facility in accordance with local, regional, and national regulations.

**Hazard(s) not otherwise classified (HNOC):** Causes mild skin irritation. May be harmful if swallowed.

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical characterization:** Substance

<b>Components</b>	<b>Chemical Identity</b>	<b>CAS Number</b>	<b>Weight%</b>
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	N,N'-Di(beta-Naphthyl)-p-Phenylenediamine	93-46-9	>98
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**SECTION 4 – FIRST AID MEASURES**

**Inhalation:** Remove affected person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

**Ingestion:** If swallowed, rinse mouth. Contact a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

**Skin contact:** Wash off immediately with soap and plenty of water. Remove contaminated clothing and launder before reuse. If skin irritation or rash occurs, get medical advice/attention.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.



**General Advice:** In case of overexposure or if symptoms develop, seek medical attention. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this Safety Data Sheet to the physician in attendance.

**Most important symptoms/effects, acute and delayed:**

- Eye contact:** May cause eye irritation. Signs/symptoms can include redness.
- Inhalation:** No information available
- Skin contact:** May cause an allergic skin reaction. Signs/symptoms can include redness, swelling and itching.
- Ingestion:** No information available

**Notes to physician:** Provide symptomatic/supportive care as necessary. Treatment based on sound judgment of physician and individual reactions of patient.

**Indication of immediate medical attention and special treatment needed:** Specific treatments in any case must be based on the physician's judgment and in response to the patient's reactions.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Suitable extinguishing method:** In case of fire, use water spray (fog), foam, carbon dioxide or dry powder.

**Unsuitable extinguishing method:** No information available.

**Specific hazards arising from chemical:** In case of fire, development of toxic fumes.

**Combustion products:** Toxic emissions may result if product is involved in a fire. Fire produces carbon monoxide and carbon dioxide gases.

**Special firefighting equipment and precautions for firefighters:** Avoid breathing smoke or fumes. Firefighters should wear a self-contained breathing apparatus (SCBA) operating in positive pressure mode and full protective clothing for combating fires. Do not allow runoff to enter drains or waterways.



## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment specified. Keep people away from spill/leak. Avoid contact with skin, eyes and inhalation of dust.

### **Methods and materials for containment and cleaning up:**

Isolate area and remove sources of friction, impact, heat, low level electrical current and RF energy. Avoid the generation of dust. Sweep up and place into closable container for disposal. DO NOT spread spilled product with water.

### **Environmental precautions:**

Avoid entry into the environment. Prevent product from entering drains. In the event of a spill or accidental release that cannot be contained, notify the relevant authorities in accordance with all applicable regulations.

## SECTION 7 - HANDLING AND STORAGE

**Precautions for safe handling:** Good hygienic practices should be observed. Wear suitable protective equipment- See Section 8. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material. Avoid generating or breathing dust. Avoid contact with eyes, skin and clothing. Reclose containers of unused product. Wash hands before eating, chewing gum, using tobacco or using the toilet.

**Conditions for safe storage, including any incompatibilities:** Store closed containers in a cool, dry, well-ventilated area. Keep away from heat, sparks, flame and other sources of ignition. Keep away from direct sunlight. Keep away from foodstuffs. Store away from incompatible materials such as oxidizing agents.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits:** None established.

### **Appropriate engineering controls:**

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment. Facilities storing or utilizing this material should be equipped with eye wash station(s) and safety shower(s).

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



- Respiratory protection:** Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. If dust is generated, wear NIOSH-approved dust respirator or dust mask. If vapors/dust are generated above exposure limits, use NIOSH approved full-face organic cartridge filter respirator, air supplied respirator or SCBA. Respirators should be selected and used in accordance with OSHA, Subpart 1 (29 CFR 1910.134)
- Eye/face protection:** Safety glasses or goggles.
- Skin/Hand protection:** Wear impervious gloves to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good laboratory practices. Wash hands with soap and water.
- Body protection:** To protect the body, wear impervious clothing such as coveralls to minimize skin contact. Select protective equipment according to the concentration and amount of the dangerous substance at the specific workplace. Launder contaminated clothing before reuse.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid
<b>Appearance:</b>	Gray to Brown Powder
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	Not applicable
<b>Boiling Point/Range:</b>	Not applicable
<b>Melting Point:</b>	225°C
<b>Flash Point (°C):</b>	Not applicable
<b>Flammable/Explosion Limits:</b>	Not applicable
<b>Relative Density (Specific Gravity):</b>	1.20 @20°C
<b>Vapor Pressure:</b>	Not determined
<b>Vapor Density:</b>	No data available
<b>Solubility:</b>	Negligible in water
<b>Evaporation Rate:</b>	No data available
<b>Partition Coefficient (n-octanol/water)</b>	No data available
<b>Auto-ignition Temperature:</b>	No data available
<b>Viscosity:</b>	Not applicable
<b>Explosive Properties:</b>	No data available



## SECTION 10 - STABILITY & REACTIVITY

**Reactivity:** Stable under normal conditions.

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions are not anticipated.

**Conditions to avoid:** Avoid freezing, heat, sparks, open flame and other sources of ignition.

**Incompatible materials:** Materials to avoid are strong oxidizing agents, acids or caustics.

**Hazardous decomposition products:** Carbon dioxide Carbon monoxide. Nitrogen oxides.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Oral:** LD50 (Rat): 4,500 mg/kg

### Irritation/Corrosion:

**Skin:** No data available  
**Eyes:** May cause eye irritation.  
**Respiratory:** No data available

### Sensitization:

**Skin:** May cause an allergic skin reaction.  
**Respiratory:** No data available

**Mutagenicity:** No data available

**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified by the IARC as a carcinogen or suspected carcinogen.

**Reproductive toxicity:** No data available

**Teratogenicity:** No data available

**Specific target organ toxicity-single exposure:** No data available

**Specific target organ toxicity-repeated exposure:** No data available



**Aspiration hazard:** Not applicable

**Information on likely routes of exposure:** Routes of entry: Dermal-Skin

**Potential acute health effects:**

**Eye contact:** Causes eye irritation.  
**Inhalation:** No information available.  
**Skin contact:** May cause an allergic skin reaction.  
**Ingestion:** No information available.

**Symptoms related to the physical, chemical and toxicological characteristics:**

**Inhalation:** No specific data.  
**Skin Contact:** Signs/symptoms can include redness, swelling and itching.  
**Eye Contact:** No specific data.  
**Ingestion:** No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure:**

**Short term exposure:**

**Potential immediate effects:** Not available.  
**Potential delayed effects:** Not available.

**Long term exposure:**

**Potential immediate effects:** Not available.  
**Potential delayed effects:** Not available.

**Potential chronic health effects:** May cause an allergic skin or sensitization reaction and thereby aggravated systemic disease.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Bioconcentration factor:** No data available.

**Mobility in soil:** No data available

**Other adverse effects:** No data available.



## SECTION 13 - DISPOSAL CONSIDERATIONS

**Disposal instructions:** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers should be handled in a manner not to cause dusting during collection, transportation and disposal. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues and must be treated as waste. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14 - TRANSPORTATION INFORMATION

**DOT (US):** Non-hazardous for transportation.

**IATA:** Non-hazardous for transportation.

**IMDG:** Non-hazardous for transportation.

## SECTION 15 - REGULATORY INFORMATION

### U.S.:

**TSCA Inventory Status:** Chemical components are listed as Active on TSCA Inventory.

### Title III SARA Status:

#### SARA Section 311 & 312-Hazardous Categories

Skin Sensitization, Category 1

Eye Damage/Irritation, Category 2B

#### SARA Section 313-Toxic Chemicals

This material does not contain any chemical components that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Proposition 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.



**SECTION 16 - OTHER INFORMATION**

**Issue date:** 9-9-2022

**Version #:** 01

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