



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco Custom Blend RC4866**

Other means of identification:

Synonyms: Preweighed Custom Blend

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Product is used in rubber mixing compounds.

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):

GHS Pictograms:



GHS Class:

Zinc Oxide: Skin Irritant, Category 3
Mixed Diaryl-p-Phenylenediamines: Acute Toxicity (oral), 5, Skin Sensitizer Category 1, Eye Irritant, Category 2B, Respiratory Irritant, Category 3

Hazard Statements:

Causes mild skin irritation
May cause allergic skin reaction
Causes eye irritation

Precautionary Statements:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands, forearms, and exposed areas thoroughly after handling.
Use only in a well-ventilated area.
Wear eye protection, face protection, protective gloves, protective clothing.
IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
Call a POISON CENTER/doctor/physician if you feel unwell.
Get medical advice and attention if you feel unwell.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Dispose of contents/container according to local, regional, national, and international regulations.

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

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Potential Health Effects: Skin Corrosion/Irritation: Causes skin irritation. Skin Irritation: May causes eye irritation.

Eye: May cause eye irritation.

Skin: Causes mild skin irritation.
May cause allergic skin reaction.

Inhalation: May cause respiratory irritation.

Ingestion: Ingestion is likely to cause digestive upset.

Potential Environmental Effects: Avoid release to the environment

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Octylated Diphenylamine	68411-46-1	16 %	
Stearic Acid	57-11-4	5 %	
Zinc Oxide	1314-13-2	37 %	
Mixed Diaryl-p-Phenylenediamines	68953-84-4	21 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
Skin Contact:	Remove contaminated clothing. Rinse immediately with plenty of water (for at least 15 minutes). Call a POISON CENTER/doctor/physician if you feel unwell.
Inhalation:	Using proper respiratory protection, immediately move the exposed person to fresh air. Keep at rest and in a position comfortable for breathing. Seek immediate medical advice.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Get medical attention if still having symptoms.

Most important symptoms/effects, acute and delayed:

Other First Aid:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
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SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media:	Dry chemical, carbon dioxide, water spray, fog, foam.
Unsuitable extinguishing media:	Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special protective equipment and precautions for fire-fighters:

Protective Equipment:	Do not enter fire area without proper protective equipment, including respiratory protection.
Fire Fighting Instructions:	Use water spray or fog for cooling exposed containers.
Notes :	Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions:	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid generating dust. Do not get in eyes, on skin, or on clothing. Do NOT breathe (dust, vapor, mist, gas). For Non-emergency Personnel Protective Equipment: Use appropriate personal protection equipment (PPE). Emergency Procedures: Eliminate ignition sources. Evacuate unnecessary personnel. For Emergency Responders Protective Equipment: Equip cleanup crew with proper protection. Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.
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Environmental precautions:

Environmental Precautions:	Do not allow to enter drains or water courses. Avoid release to the environment.
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Methods and materials for containment and cleaning up:

Methods for containment:	Avoid generation of dust during clean-up of spills.
Methods for cleanup:	Clear up spills immediately and dispose of waste safely.
Notes :	Reference to Other Sections See heading 8, Exposure Controls and Personal Protection.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Product is intended to be used in its packaged form. The bags are to be cast directly into mixing unit.

Conditions for safe storage, including any incompatibilities:

Storage: Storage Conditions: Store in a dry, cool and well-ventilated place. Store away from other materials.

Notes : Incompatible Products: Oxidizers.
Prohibitions on mixed storage: Keep away from (strong) oxidizing agents.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Individual protection measures:

Eye/Face Protection: Chemical goggles or safety glasses.

Skin Protection Description: Wear suitable protective clothing.

Hand Protection Description: Wear chemically resistant protective gloves.

Respiratory Protection: Use a NIOSH-approved respirator whenever exposure may exceed established Occupational Exposure Limits. Not expected to be necessary.

PPE Pictograms:



Notes : No Occupational Exposure Limits (OELs) have been established for this product, however, it is good industrial hygiene practice to use the nuisance dust exposure limits (PEL 15 mg/m³ & TLV 10 mg/m³) when no other exposure limits are available.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Solid
Physical State Appearance: Pre-Weighed Powder
Color: off-white
Odor: Slight odor
Odor Threshold: No data available
Boiling Point: No data available
Melting Point: No data available
Specific Gravity: 1.4600
Solubility: No data available
pH: No data available
Flash Point: No data available
Auto Ignition Temperature: No data available

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Conditions To Avoid:

Conditions to Avoid: Incompatible materials. Heat, open flame and other sources of ignition.

Incompatible Materials:

Incompatible Materials: Strong Acids and Bases.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Octylated Diphenylamine :

Acute Toxicity: LD50 Oral Rat >5000 mg/kg

Zinc Oxide :

Acute Toxicity: LD50 Oral Rat 1800 mg/kg
LD50 Dermal Rabbit > 2000 mg/kg

Mixed Diaryl-p-Phenylenediamines :

Acute Toxicity:	LD50 Oral Rat >2000 mg/kg LD50 Dermal Rabbit >2000 mg/kg
Acute Toxicity:	May be harmful if inhaled. ODPA (68411-46-1) LD50 Oral Rat >5000 mg/kg LC50 Dermal Rat >5.8 mg/l Mixed Diaryl-p-Phenylenediamines (68953-84-4) LD50 Oral Rat >2000 mg/kg LD50 Dermal Rabbit > 5000 mg/kg Zinc Oxide (1314-13-2) LD50 Oral Rat 7,950 mg/kg Chronic Toxicity NOAEL 50 mg/day
Skin:	May cause skin irritation.
Sensitization:	May cause skin sensitization.
Mutagenicity:	Not classified
Reproductive Toxicity:	Not classified

SECTION 12 : ECOLOGICAL INFORMATION

Octylated Diphenylamine :

Ecotoxicity:

Ecotoxicity:	EC50 Micro-Organism >1000 mg/l (Exposure Time: 3 h) LC50 Fish >Limit of water solubility (Exposure Time: 96 h) EC50 Daphnia >Limit of water solubility (Exposure Time: 48 h) EC50 Algae >Limit of water solubility (Exposure Time: 96 h)
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Zinc Oxide :

Ecotoxicity:

Ecotoxicity:	LC50 Fish 1 0.046 – 1.20 mg/l EC50 Daphnia 1 98 ug/l (Exposure time: 48 h - Species: Daphnia magna) EC50 Algae 0.042 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella)
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Mixed Diaryl-p-Phenylenediamines :

Ecotoxicity:

Ecotoxicity:	LC50 Algae >0.08 mg/l (Exposure time: 72 h - Species: Selenastrum capricornutum) LC50 Fish 0.48 mg/l (Exposure time: 96 h) LC50 Water flea (Invertebrate) 1.8 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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Persistence and degradability:

Biodegradation: No information available.

Bioaccumulative potential:

Bioaccumulation: No information available.

Mobility in soil:

Mobility In Environmental Media: No additional information available.

Notes : Avoid release to the environment.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations. U.S. EPA regulations for the classification determination are listed in 40 CFR 261.3. Product as purchased would not be considered a RCRA Hazard Waste.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated for transport.

IATA Shipping Name: Not regulated for transport.

IMDG Shipping Name : Not regulated for transport.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

TSCA Inventory Status: All components listed on the United States TSCA (Toxic Substances Control Act) inventory

Section 311/312 Hazard Categories: Immediate (acute) health hazard

Section 313: Zinc Oxide CAS# 1314-13-2 as 100% zinc compound containing 80.3% total zinc metal.
Vulkanox 3100 reportable as up to 5% Diphenylamine (CAS# 122-39-4)

Risk Phrases: R36/38 - Irritating to eyes and skin.

Safety Phrase:

- * S23 - Do not breathe gas/fumes/vapour/spray.
- * S51 - Use only in well ventilated areas.
- * S28 - After contact with skin, wash immediately with plenty of water.
- * S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
- * S27 - Take off immediately all contaminated clothing.



SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Personal Protection: F

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	F

SDS Creation Date: December 07, 2015

SDS Revision Date: December 07, 2015

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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