



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: Westco AO 29

Other means of identification:

Product Description: Westco AO-29 is a non-staining, slightly discoloring antioxidant for natural and synthetic rubbers and latices.

Synonyms: SDPA: Benzenamine, N-phenyl-,styrenated. Mixture of styrenated diphenylamines.

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Westco AO-29 provides excellent resistant to heat aging and flex fatigue. It is especially effective in polychloroprene.

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 Class: This product is not classified as hazardous.

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

Emergency Overview: The product contains no substances which at their given concentration, are considered to be hazardous to health

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
SDPA: Benzenamine, N-phenyl-,styrenated. Mixture of styrenated diphenylamines.	68442-68-2	>99 %	
diphenylamine	122-39-4	< 1 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: Flush eyes with running water for at least 20 minutes.

Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Inhalation: Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.

Ingestion: Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.

Indication of immediate medical attention and special treatment needed:

Note to Physicians: Treat symptomatically.
Notes : General information: Immediately remove any clothing soiled by the product.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Dry chemical, CO₂, water spray or regular foam. Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal.
Unsuitable extinguishing media: Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts:

Unusual Fire Hazards: Some may burn but none ignite readily. Those substances designated with a P may polymerize explosively when heated or involved in a fire. Some may be transported hot.

Special protective equipment and precautions for fire-fighters:

Protective Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire Fighting Instructions: Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.

Notes : Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions: Particular danger of slipping on leaked/spilled product.
Do not touch or walk through spilled material.
Stop leak if safe to do so.
Ensure adequate ventilation

Environmental precautions:

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 materials for containment and cleaning up:

Methods for containment: Send for recovery or disposal in suitable receptacles.
Dispose of contaminated material as waste according to item 13.
Absorb liquid components with liquid-binding material.
Prevent dust cloud.

Methods for cleanup: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Take up with sand or other non-combustible absorbent material and place into containers for later disposal. Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading.

Notes : 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

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace
Avoid contact with skin, eyes, or clothing. Use personal protective equipment as required.

Hygiene Practices: Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities:

Storage: Protect from heat.
Keep ignition sources away
Keep receptacles tightly sealed.

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.
Store receptacle in a well ventilated area.
Protect from heat and direct sunlight.
Specific end use(s) No further relevant information available

Specific end use(s):

Work Practices: Safety showers and eye wash stations should be available.

Notes :

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Showers
Eyewash stations
Ventilation systems.

Individual protection measures:

Eye/Face Protection: Wear safety glasses with side shields or goggles.

Skin Protection Description: Use protective suit if contact with skin is expected.

Hand Protection Description: Wear protective gloves if contact with skin is expected..

Respiratory Protection: Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Form: Viscous
Color: Light Yellow
Odor: Aromatic
Odor Threshold: Not determined.
Boiling Point: 150°C (302 °F)
Melting Point: Melting point/Melting range: Undetermined.
Density: Bulk density at 20°C (68 °F): 1080 kg/m³
Relative density Not determined.
Solubility: aromatic hydrocarbons: Fully miscible.
Vapor Density: Not determined.
Vapor Pressure: at 38°C (100 °F): <1 mm Hg
Evaporation Rate: Not determined.
pH: not determined
Flash Point: 238°C (460 °F)
Flash Point Method:
Lower Flammable/Explosive Limit: not determined
Upper Flammable/Explosive Limit: not determined
Auto Ignition Temperature: Not determined.

9.2. Other information:

Notes : Other information No further relevant information available.

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: No data available

Chemical Stability:

Chemical Stability: Stable under recommended storage conditions.

Possibility of hazardous reactions:

Hazardous Polymerization: None under normal processing.

Conditions To Avoid:

Conditions to Avoid: Extremes of temperature and direct sunlight.

Incompatible Materials:

Incompatible Materials: None known based on information supplied.

Hazardous Decomposition Products:

Special Decomposition Products: Nitrogen oxides (NO_x)
Carbon monoxide and carbon dioxide
Normal hydrocarbon combustion products expected.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute Toxicity:	Benzenamine, N-phenyl, styrenated 68442-68-2: ORAL LD50: >20000 mg/kg (rat) DERMAL LD50: >10000 mg/kg (rabbit) Diphenylamine 122-39-4: ORAL LD50: = 1120 mg/kg (Rat) DERMAL LD50: > 2000 mg/kg (Rabbit)
Eye:	No Data
Skin:	No Data
Inhalation:	No Data
Ingestion:	No Data
Sensitization:	No information or data specific to the product on this toxicological (health) effect is available.
Carcinogenicity:	No information or data specific to the product on this toxicological (health) effect is available.
Mutagenicity:	No information or data specific to the product on this toxicological (health) effect is available.
Reproductive Toxicity:	No information or data specific to the product on this toxicological (health) effect is available.

SECTION 12 : ECOLOGICAL INFORMATION

SDPA: Benzenamine, N-phenyl-,styrenated. Mixture of styrenated diphenylamines. :

Ecotoxicity:

Ecotoxicity:	68442-68-2 SDPA: Benzenamine, N-phenyl-,styrenated. Mixture of styrenated diphenylamines. EC50 (96 h) 920 mg/l (fish)
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diphenylamine :

Ecotoxicity:

Ecotoxicity:	3.47 - 4.14 mg/L LC50 96 h Pimephales promelas flow-through (Fish) 1.69 - 2.46 mg/L EC50 48 h Daphnia magna (Crustacea) 1.5 mg/L EC50 72 h Scenedesmus subspicatus (Algae/aquatic plants)
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Persistence and degradability:

Biodegradation:	No information.
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Bioaccumulative potential:

Bioaccumulation:	No information.
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SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging:	Do not reuse container.
Notes :	Recommendation: Disposal must be made according to official regulations.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name:	Not regulated (If shipped in NON BULK packaging by ground transport)*** Environmentally hazardous substances, solid, n.o.s. (Benzenamine, N-phenyl, styrenated)
DOT UN Number:	UN3077
DOT Hazard Class:	9
DOT Packing Group:	III
DOT Pictograms:	
IATA Shipping Name:	Environmentally hazardous substances, solid, n.o.s. (Benzenamine, N-phenyl, styrenated)
IATA UN Number:	UN3077
IATA Hazard Class:	9
IATA Packing Group:	III
IATA Pictograms:	

IMDG UN Number : UN3077
IMDG Shipping Name : Environmentally hazardous substances, solid, n.o.s. (Benzenamine, N-phenyl, styrenated)
IMDG Hazard Class : 9
IMDG Packing Group : III

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

CERCLA Section 302: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Section 311/312 Hazard Categories: SARA 311/312 Hazard Categories:
Acute health hazard - No
Chronic Health Hazard - No
Fire hazard - No
Sudden release of pressure hazard- No
Reactive Hazard - No

Section 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

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

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	X

SDS Revision Date: September 29, 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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