



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco AO 309**

Other means of identification:

Product Description: Used as rubber additive.
Synonyms: 4'anilinotoluene-4-sulphonanilide

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Antioxidant for natural and synthetic rubber that provides good protection against copper and manganese. Causes slight discoloration in cured stock exposed to light; non-staining by migration.

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:



Signal Word: Warning

GHS Class: Acute Toxicity Oral, Category 4.

Hazard Statements: Harmful if swallowed.

Precautionary Statements: Wash hands thoroughly after handling
Do not eat, drink or smoke when using this product.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Rinse mouth.
Dispose of contents/container in according with local regulations.

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

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

Eye: May cause watering, redness and stinging sensation.

Skin: May cause itching and redness. Prolonged or repeated skin contact may cause burns.

Inhalation: This product may irritate nasal passages.

Ingestion: May cause gastrointestinal irritation, diarrhea, nausea and vomiting.

Carcinogenicity: Not classified.

Notes : For full text of R-phrases: see section 15.

The most important adverse effects:
Physicochemical effects/Not applicable.
Human health effects/Harmful if swallowed.
Environmental effects/Not applicable.

Other hazards: (PBT, vPvB, Substance in an endocrine disruptor etc.).

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
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4'anilinotoluene-4-sulphonanilide	100-93-6	Concentration: 99 %
Others	Not Available	Concentration: 1 %

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical advice if irritation develops.
Skin Contact:	Remove contaminated clothing. Wash off with soap and water. Get medical aid if irritation persists.
Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Ingestion:	Rinse mouth and then drink plenty of water. Never give anything by mouth to an unconscious person. Get medical aid.

Indication of immediate medical attention and special treatment needed:

Note to Physicians:	Indication of any immediate medical attention and Special treatment needed: If skin irritation or rash occurs, get medical advice/attention.
Notes :	Most important symptoms and effects, both Acute and delayed: Harmful if swallowed.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media:	Suitable: Use carbon dioxide, foam, dry powder.
Unsuitable extinguishing media:	Do Not use solid stream of water as it may disperse burning Material.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts:	Irritating or toxic gases may be generated from decomposition/combustion products. Under low oxygen conditions, carbon, monoxide may be produced.
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Special protective equipment and precautions for fire-fighters:

Protective Equipment:	Special Fire Fighting Procedures: Wear self-contained breathing apparatus and chemical – protective clothing.
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.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

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

Environmental Precautions:	Do not allow material to be release to the environment without proper governmental permits.
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Methods and materials for containment and cleaning up:

Spill Cleanup Measures:	Sweep up carefully, preferable with the aid of a suitable dry anti-dusting agent if available. Place in suitable containers for disposal. Ensure adequate ventilation.
Additional information	Clear spills immediately. 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.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling:	Protective measures, Use personal protective equipment. Avoid contact with skin and eyes. Provide appropriate exhaust ventilation. Wash hand thoroughly after handling. Remove contaminated clothing. 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.
Hygiene Practices:	Follow good industrial hygiene practices when handling this material.
<u>Conditions for safe storage, including any incompatibilities:</u>	
Storage:	Keep container tightly closed in a dry and well-ventilated place. Keep away from incompatible materials.
<u>Specific end use(s):</u>	
Work Practices:	Safety showers and eye wash stations should be available.
Specific end use	Not applicable.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Exposure Controls: 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: Safety glasses with side-shields or chemical goggles. Eyewash station in work area should be available.

Skin Protection Description: Wear appropriate protective clothing and boots.

Hand Protection Description: Protective Gloves: Handle with gloves. Wear appropriate gloves.

Respiratory Protection: Wear appropriate respirator if necessary.

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

PPE Pictograms:



Environmental exposure controls Avoid discharge into the environment. According local regulations, Federal and official regulation.
Decontamination Facilities: Eye bath, washing facilities (sinks/showers)

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Powder.
Odor:	Not available.
Odor Threshold:	Not available.
Boiling Point:	521 deg C (760 mmHg)
Melting Point:	Not Applicable
Density:	Relative (30 deg C): 1.297 g/cm ³ Bulk (kg/m ³): Not available.
Vapor Density:	Not available.
Vapor Pressure:	(25 deg C): 5.89E-11 mmHg
Evaporation Rate:	Not available.
pH:	Not available.
Molecular Formula:	C ₁₉ H ₁₈ N ₂ O ₂ S
Molecular Weight:	338.42
Coefficient of Water/Oil Distribution:	n-Octanol/Water (log Po/w): Not available.
Flash Point:	268.9 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: 59.3 dyne/cm
Dissociation constant in water (pKa): Not available
Oxidation-reduction Potential: Not available

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: Possibility of hazardous reactions: No dangerous reactions known.

Chemical Stability:

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

Conditions To Avoid:

Conditions to Avoid: Incompatible materials.

Incompatible Materials:

Incompatible Materials: (Materials to Avoid): Strong oxidizing agents.

Hazardous Decomposition Products:

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

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute Toxicity: Toxicokinetics, metabolism and distribution:
Non-human toxicological data: Not available.

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

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

Ingestion: Acute toxicity: LD50(oral, Rat); Not available.

Sensitization: Respiratory or skin sensitization: Not classified.

Mutagenicity: Germ cell mutagenicity: Not classified.

Reproductive Toxicity: Not classified.

SECTION 12 : ECOLOGICAL INFORMATION

Persistence and degradability:

Biodegradation: Persistence and degradability: Not available.

Bioaccumulative potential:

Bioaccumulation: Not available.

Mobility in soil:

Mobility In Environmental Media: Mobility in soil: Not available.

Other adverse effects:

Effect of Material On Aquatic Life: Acute toxicity:
LC50: Not Applicable
Time: 96h
Species: Fish
Method: OECD 203
Evaluation: Not Applicable
Remarks: Not Applicable

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

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

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 water regulations to ensure complete and accurate classification.

Contaminated Packaging: Product/packaging disposal: Reclaim or Dispose of material in accordance with all applicable local, state, and federal regulations.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated.

DOT Pictograms:



IMDG Shipping Name : Non regulated.

ICAO Shipping Name: Non regulated.

Notes : Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not regulated.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

Risk Phrases: Harmful if swallowed.

4'anilinotoluene-4-sulphonanilide :

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

SARA: Title III: This product does not contain any material regulated under Title III, Section 313

Section 302 EHS: Non regulated.

Section 304 RQ: Non regulated.

CERCLA Section 302: Non regulated.

Risk Phrases: R22 - Harmful if swallowed.

Safety Phrase: * S20 - When using do not eat or drink.
* S29 - Do not empty into drains.
* S46 - If swallowed, seek medical advice immediately and show this container or label.
* S64 - If swallowed, rinse mouth with water (only if the person is conscious).



SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

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

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	J

SDS Revision Date: August 26, 2015

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