



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco B-75**

Other means of identification:

Product Description: Acetone-diphenylamine condensation product 75% (w/w) (CAS No. 68412-48-6) Adsorbed in pptd Silica 25% (w/w) (CAS No.7631-86-9),

Synonyms: Diphenyleneamine/Acetone Reaction Product; Acetone-diphenylamine condensation product - Complex product

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Westco B-75 is an antioxidant for natural and synthetic rubber compounds where resistance to heat aging and flex cracking is important and where staining and discoloration of light colored rubber are not objectionable.

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: * Skin Irritant, Category 3.
* Eye Irritant, Category 2B.
* Acute oral, dermal and inhalation toxicity, Category 3.
* Hazardous to the aquatic environment; Acute, Category 1, Chronic, Category 2.

Hazard Statements: May cause skin and eye irritation * May be harmful if swallowed and enters airways.

Precautionary Statements: * Wash hands thoroughly after handling.
* Wear protective gloves/protective clothing/eye protection/face protection.
* IF ON SKIN: Wash with plenty of soap and water.
* IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
* Remove/Take off immediately all contaminated clothing and wash it before reuse.
* IF exposed or concerned: Get medical advice/attention.
* IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects: May cause irritation to skin and eyes. This product is harmful by inhalation and if swallowed.
Eye: May cause irritation.
Skin: May cause skin irritation.
Inhalation: May cause irritation to the respiratory tract.
May be toxic by inhalation.
Ingestion: May cause gastric distress (nausea, vomiting, diarrhea).
Carcinogenicity: Unknown (IARC, NTP, OSHA & ACGIH)
Potential Environmental Effects: Very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
DPA	122-39-4	< 20% by weight	
Pptd Silica	7631-86-9	25% by weight	
ADPA	68412-48-6	> 50% by weight	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Irrigate immediately with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention if irritation persists.
Skin Contact:	Remove contaminated clothing. Wash skin liberally with soap and water. If symptoms (irritation or blistering) occur obtain medical attention.
Inhalation:	Remove patient from exposure. Obtain medical attention if ill effects occur.
Ingestion:	Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical attention.
Notes :	Further Medical Treatment: Symptomatic treatment and supportive therapy as indicated.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Water spray, foam, dry powder or CO2.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts: Combustible.

Special protective equipment and precautions for fire-fighters:

Protective Equipment: Fire Fighting Protective Equipment: A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions: * Use proper personal protective equipment as listed in Section 8.
* Avoid contact with skin.
* Avoid contact with eyes.

Environmental precautions:

Environmental Precautions: Avoid runoff into storm sewers, ditches, and waterways.

Methods and materials for containment and cleaning up:

Spill Cleanup Measures: Observe government regulations.
Do not allow to enter drains, sewers or watercourses.
Adsorb spillages onto sand, earth or any suitable adsorbent material.
Transfer to a container for disposal or recovery.

Methods and materials for containment and cleaning up:

Methods for containment: * Contain spills with an inert absorbent material such as soil, sand or oil dry.

Methods for cleanup: Shovel solid product directly into disposal drums

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: * Avoid contact with eyes, skin, or clothing.
* Keep away from heat.
* Avoid dust formation.

Hygiene Practices: * Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.
* Follow good industrial hygiene practices when handling this material.

- * When using, do not eat, drink or smoke.
- * Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities:

Storage: Suitable containers:
Keep away from oxidizing agents, acids, alkalis, moisture, heat and direct sunlight.

Storage Temperature: Ambient.
Storage Life: 1 year(s)

Specific end use(s):

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

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Guideline Info: None published, but 5mg/m3 for total dust is recommended.

Appropriate engineering controls:

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.

Individual protection measures:

Eye/Face Protection: Chemical goggles.

Skin Protection Description: Apron or coveralls should be used to prevent contact with skin or clothing.

Hand Protection Description: Chemical resistant rubber gloves

Respiratory Protection: Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA regulations under 29 CFR 1910.134.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State Appearance: Form: Free-flowing powder (staining)

Color: Deep brown

Odor: Characteristic odour

Boiling Point: (Deg C): Not applicable

Melting Point: (Deg C): Not applicable

Specific Gravity: 1.31 (typical)

Solubility: Solubility (Other): Partially soluble in acetone, toluene.

Vapor Pressure: (Ps): No data.

pH: pH (1% water extract): 6.75

Coefficient of Water/Oil Distribution: No data.

Flash Point: 110 deg C

Auto Ignition Temperature: No data.

Explosive Properties: No data.

Oxidizing Properties: No data.

9.2. Other information:

Notes : Flammable Limits: No data.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:

Chemical Stability: Stable under normal temperatures and pressures.

Possibility of hazardous reactions:

Hazardous Polymerization: Will not occur.

Conditions To Avoid:

Conditions to Avoid: Oxidizing agents. Strong acids and alkalis.

Incompatible Materials:

Incompatible Materials: Incompatible with strong mineral acids and oxidising agents.

Hazardous Decomposition Products:

Special Decomposition Products: Oxides of carbon & nitrogen under burning conditions.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute Toxicity: Calcium silicate:
Oral LD 50 (Rat): >31,000 mg/kg
Dermal LD 50 (Rat): >2,000 mg/kg

Diphenylamine:
Oral LD 50 (Rat): 1165 mg/kg
Dermal LD 50 (Rabbit): >2,000 mg/kg

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Inhalation: Unlikely to be hazardous by inhalation unless heated. Combustion or thermal decomposition will evolve very toxic and irritant vapours.

Ingestion: Low toxicity if swallowed.

Chronic Effects: Long Term Exposure: No information available.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: Acute Fish Toxicity:
LC50 (Orange Red Killifish) (48 hour) 5.1 mg/l
EC50 (Daphnia Magna) (24 hour) 2.3 mg/l

Acute Algae Toxicity: EC50 Algae (72 hr) 0.18 mg/l

Persistence and degradability:

Biodegradation: Not-biodegradable.
However long term degradation products may arise.

Other adverse effects:

Effect of Material On Aquatic Life: Very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Disposal should be in accordance with local, state or national legislation.

Contaminated Packaging: Please ensure that packaging, including drums, are disposed of in a responsible manner and in accordance with federal, and your state's, solid/hazardous waste regulations. Due to more restrictive waste disposal regulations, NEVER wastetreat or dispose of material until you check your appropriate local, state, & federal regulations for requirements.

RCRA Number: Not considered an RCRA Hazard Waste per 40 CFR 261.3.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Non regulated.

DOT Pictograms: 

IATA Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.,

IATA UN Number: 3077

IATA Hazard Class: 9

IATA Packing Group: III

IATA Pictograms: 

IMDG UN Number : UN 3077

IMDG Shipping Name : Environmentally hazardous substance, solid, n.o.s.

IMDG Hazard Class : 9

IMDG Packing Group : III

ADR UN Number: 3077

ADR Shipping Name : Environmentally Hazardous Substance, Liquid, N.O.S.,

ADR Hazard Class: 9
 ADR Packing Group : III
 RID Shipping Name : Environmentally Hazardous Substance, Liquid, N.O.S.,
 RID Hazard Class : 9
 RID Packing Group : III
 Notes : IATA, IMDG, ADR/RID: Marine Pollutant

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

TSCA Inventory Status: This product is on the TSCA inventory
EINECS Inventory Status: This product is on the EINECS inventory
SARA: Title III: Section 313 Diphenylamine < 19% Section 302: None. Sections 311/312 None.
California PROP 65: Non regulated.
New Jersey: Non regulated.
Massachusetts: Non regulated.
Pennsylvania: Non regulated.
Risk Phrases:
 * R20/22 - Harmful by inhalation and if swallowed.
 * R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
 * R33 - Danger of cumulative effects.
 * R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrase:
 * S22 - Do not breathe dust.
 * S24 - Avoid contact with skin.
 * S36 - Wear suitable protective clothing.
 * S60 - This material and its container must be disposed of as hazardous waste.
 * S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.



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: July 09, 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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