

## WESTERN RESERVE CHEMICAL

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## MATERIAL SAFETY DATA SHEET

### WESTCO AO 445

CAS # 10081-67-1

#### 1. Product Identifications

Product Name: WESTCO AO 445, AO 445 G  
Chemical Name: 4,4' Di(a,a-dimethylbenzyl)  
diphenylamine

#### 2. Physical Description/Properties

Specific Gravity (H<sub>2</sub>O=1): 1.14  
Melting Point (C°): 98.5 (209°F) at STP\* unless  
Specified below  
Boiling point: Not determined  
Appearance: White to off-white powder or granules  
Odor: Characteristic  
Solubility in water: Insoluble  
Solubility in organic solvents: Soluble  
Flash point: 276 °C (531 °F)  
Autoignition temperature: 298 °C (569 °F)

\*STP-Standard temperature and pressure

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### **3. Hazard Information**

Avoid dispersion of dust in air to reduce potential for dust ignition/explosions.

### **4. First Aid Information**

Skin: Wash skin with soap and water. No harmful effects expected.

Eyes: Flush eyes thoroughly with water for several minutes. Obtain medical attention if discomfort persists.

Inhalation: Remove person to fresh air. Obtain medical attention if symptoms persist.

Swallowing: Do not induce vomiting. Rinse mouth with water. Obtain medical attention.

### **5. Handling and Storage**

Storage: Normal precautions common to good safety practice should be followed in handling. Use with adequate ventilation. Avoid breathing dust. Keep container tightly closed. Keep away from heat.

Other Precautions: Keep away from sources of ignition – No smoking.

### **6. Employee Protection Recommendations**

Wear suitable protective equipment. Do not breathe dust. Eliminate sources of ignition. Avoid contact with skin and eyes.

### **7. Toxicological Information**

LD50 acute oral for rats: >10,000 mg/kg

Non-irritating to rabbit skin

**8. Fire and Explosion Data**

Flash point: 276 °C (531 °F)  
Autoignition temperature: 298 °C (569 °F)

**9. Reactivity**

Stability – Stable under normal conditions  
Incompatible materials – Strong oxidizing agents.  
Hazardous combustion products – Burning can produce the following combustion products: Oxides of carbon and nitrogen.

**10. Accidental Release and Disposal**

Dispose of in accordance with appropriate Federal, State, and local regulations. Avoid discharge to sewers and natural waters. Empty drums should be decontaminated and either passed to an approved drum reconditioned or destroyed. Containers that cannot be cleaned must be treated as waste.

**11. Transportation Information**

DOT Classification	Not regulated by DOT
IMDG Classification	Not regulated by IMDG
ICAO Classification	Not regulated by ICAO

**12. Regulatory Information**

TSCA (USA):	Listed
Canadian DSL:	Listed
Canadian NDSL:	N/A
EINECS/ELINCS (Europe):	Listed
Japanese Inventory (ENCS):	Listed
Korean Chemical Inventory (ECL):	Listed
Australian Chemical Inventories (AICS):	Listed
New Zealand (NZ):	Listed
Philippines (PICCS) Inventory:	Listed
China (ELECS):	Listed
US Regulatory Rules	
SARA Section 302:	None
SARA 311/312 Hazard Categories:	None
SARA 313 Chemical:	None

Other Regulations:

California Proposition 65:	None
New Jersey Right-to-Know List:	*
Pennsylvania Right to Know List:	None
Florida Right to Know:	N/A
Minnesota right to Know:	N/A
MA Right to Know law:	None

\*4,4'Di(a,a-dimethylbenzl) diphenylamine, CAS#10081-67-1  
Benzenamine 4-(1 methyl-1 phenyl-ethyl)-N-phenyl CAS# 72017-86-8  
Benzenamine, 2,4 bis(1 methyl-1 phenyl)-N-{4-(1 methyl-1-phenylethyl)phenyl}  
CAS#17419-19-1

**13. Other Information**

This product does not contain reportable hazardous ingredients as defined by the OSHA Hazard Communication standard 29 CFR1910.1200

HMIS Classification Health 0 Flammability 3 Reactivity 0

Important Note: 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.

2/08