

## SAFETY DATA SHEET

### Section 1: Identification

#### 1.1 Product identifier:

Wannalink™ 6200

#### 1.2 Recommended use:

Identified uses: Component in manufacture of rigid and flexible foams and elastomers.

Restrictions on use: Industrial uses only

#### 1.3 Supplier:

Wanhua Chemical (America) Co.,Ltd.  
3803 West Chester Pike, Suite 240  
Newtown Square, PA 19073  
Tel: 613-796-1606 Customer service: 610-566-5297  
[www.whchem.com](http://www.whchem.com)

#### 1.4 Emergency telephone number:

North America: Chemtrec 800-424-9300 (domestic)  
+1-703-527-3887 (international, collect calls accepted)  
Europe: +31 20 20 65132/65130 (08:30-17:30) +44 780 183 7343

### Section 2: Hazard Identification

#### 2.1 Classification:

Acute toxicity (oral) Cat. 4; H302

#### 2.2 Label elements:



Warning  
Harmful if swallowed.

#### Prevention

Wash hands and exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product

#### Response

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth

#### Disposal

Recycle and or dispose of contents and containers in accordance with local, regional, national and international regulations.

#### 2.3 Other hazards:

May cause irritation to eyes, skin and respiratory tract.  
Combustion produces toxic and corrosive gases.

### Section 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>GHS Classification</u>
Benzenamine, 4,4'-methylenebis[N-(1-methylpropyl)-	5285-60-9	96 - 100	Acute tox. 4; H302

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### Section 4: First-aid Measures

#### 4.1 Description of first-aid measures:

**Inhalation:** Remove source of exposure or move to fresh air. Get medical advice if you feel unwell or are concerned.

**Skin contact:** Rinse with lukewarm, gently flowing water for 5 minutes. If skin irritation occurs get medical advice/attention.

**Eye contact:** Rinse the contaminated eye(s) with lukewarm, gently flowing water for several minutes, while holding the eyelid(s) open. If eye irritation persists, get medical attention.

**Ingestion:** Call a Poison Centre or doctor if you feel unwell. Rinse mouth.

#### 4.2 Most important symptoms and effects, both acute and delayed:

**Inhalation:** Symptoms of exposure to fumes include coughing, dry throat and irritation of the upper respiratory tract.

**Skin contact:** may cause irritation.

**Eye Contact:** May cause serious irritation. Symptoms include redness, pain, tears.

**Ingestion:** Harmful if swallowed. Swallowing may cause nausea, vomiting and diarrhea.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

None known

### Section 5: Fire-fighting Measures

#### 5.1 Extinguishing media:

Water fog or fine spray, alcohol-resistant foam, carbon dioxide or dry chemical (BC powder).

Use water spray to cool fire-exposed containers.

**Unsuitable extinguishing media:** High pressure water streams may scatter hot liquid and spread the fire.

#### 5.2 Special hazards arising from the chemical:

Product can burn if heated; Flash point >200°C (392F)

Product will burn if involved in a fire.

Combustion products may include toxic carbon monoxide, nitrogen oxides and carbon dioxide.

If involved in a fire, closed containers may rupture releasing toxic gases.

#### 5.3 Special protective equipment and precautions for firefighters:

As for any fire, evacuate the area and fight the fire from a safe distance. Firefighters must wear full protective equipment including self-contained breathing apparatus with chemical protection clothing when firefighters are exposed to decomposition products from this material.

### Section 6: Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Isolate the area; keep all unprotected people away from the spill area. Ventilate the area.

Wear protective gloves or protective clothing and eye protection or face protection (See Section 8).

Ensure clean-up is conducted by trained personnel only.

Do not touch or walk through the spilled material. Spilled material may pose a slipping hazard.

Do not release to drains, risk of blockage from solidified polymer material.

#### 6.2 Environmental precautions:

Avoid releases to the environment and prevent material from entering confined areas, domestic sewers, natural waterways, or storm water management systems.

#### 6.3 Methods and material for containment and cleaning up:

Stop the spill if it is safe to do so. Contain the spill with earth, sand or other suitable non-combustible absorbent.

Clean up spills immediately.

**Small spills:** Cover spilled liquid with a non-combustible absorbent. Scoop up spilled product and any contaminated absorbents into appropriate, labeled containers. Contaminated absorbent may pose the same hazards as the spilled product.

**Large liquid spills:** Pump spilled liquid into suitable containers.

Flush the area with water and collect wash-water for proper disposal.

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### 6.4 Reference to other sections:

See Section 8 for information on selection of personal protective equipment.  
See Section 13 for information on disposal of spilled product and contaminated absorbents.

### Section 7: Handling and Storage

#### 7.1 Precautions for safe handling:

Wear eye protection, protective gloves, clothing and other equipment required for the workplace.  
Wash hands and exposed skin thoroughly, immediately after exposure to product and at the end of the work-shift.  
Do not breathe vapors, fumes or spray.

#### 7.2 Conditions for safe storage:

Storage temperature: Not available. Keep product in a cool, well-ventilated and secure location.  
Keep containers tightly closed when not in use.  
Store in original container.  
Store in a well-ventilated place protected from direct sunlight. Store away heat and ignition sources.  
Store away from food and feed.

### Section 8: Exposure Controls / Personal Protection

#### 8.1 Control parameters:

**Occupational Exposure Limits:** Consult local authorities for acceptable exposure limits.

<u>Ingredient</u>	<u>ACGIH® TLV®</u>	<u>U.S. OSHA PEL</u>
Benzenamine, 4,4'-methylenebis[N-(1-methylpropyl)-	Not established	Not established

#### 8.2 Exposure controls:

**Exposure control measures:** Facilities utilizing or storing this material should be equipped with good general ventilation or local exhaust ventilation, eyewash facilities and a safety shower. Local exhaust ventilation may be required for operations involving heating or spraying.

#### 8.3 Individual protection measures:

**Eye/Face protection:** Wear safety glasses or chemical safety goggles. Wear a face-shield or full-face respirator when needed to prevent exposure to liquid, mist or fume.

**Skin protection:** Wear chemical protective gloves. Wear clean, body-covering, protective coveralls to prevent skin exposure.

Resistance of specific materials can vary from product to product; evaluate resistance under conditions of use and maintain clothing carefully. Contact safety supplier for specifications.

**Respiratory protection:** If concentrations in air exceed any occupational exposure limits, then wear respiratory protection. Respiratory protection may be necessary if the product is heated to release fume or if a mist is created. If airborne fume or mist exposure is likely wear an approved, chemical cartridge respirator with cartridges to protect against organic vapor (e.g. NIOSH air-purifying respirator).

A respiratory protection program that meets the regulatory requirement, such as OSHA's 29 CFR 1910.134 or Canadian Standards Association (CSA) Standard Z94.4, must be followed whenever workplace conditions warrant a respirator's use.

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### Section 9: Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties:

<b>Appearance:</b>	Liquid. Brown to amber.
<b>Odor:</b>	Not available.
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting point/freezing point:</b>	-30°C to -60°C
<b>Initial boiling point and boiling range:</b>	>400°C
<b>Flash point:</b>	>230°C
<b>Evaporation rate:</b>	Not available
<b>Flammability:</b>	Not available
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Relative density:</b>	1.12 – 1.25 (water = 1)
<b>Solubility (ies):</b>	Insoluble in water
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available

### Section 10: Stability and Reactivity

#### 10.1 Reactivity:

Not reactive under prescribed conditions of use.

#### 10.2 Chemical stability:

Stable.

#### 10.3 Possibility of hazardous reactions:

May react with oxidizing agents: increased risk of fire and explosion.

#### 10.4 Conditions to avoid:

Avoid high temperatures.

Keep away from strong oxidizing agents.

#### 10.5 Incompatible materials:

Not available

#### 10.6 Hazardous decomposition products:

Thermal decomposition may produce toxic and corrosive nitrogen oxide.

### Section 11: Toxicological Information

#### 11.1 Information on toxicological effects:

##### Acute health hazards:

**Inhalation:** Data not available

**Skin:** Data not available

**Ingestion:** Data not available

##### Skin corrosion / irritation

Data not available.

##### Serious eye damage / irritation

Data not available

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### Acute Toxicity Data

<u>Ingredient</u>	<u>LD<sub>50</sub> Oral</u>	<u>LD<sub>50</sub> Dermal</u>	<u>LC<sub>50</sub> Inhalation</u>
Benzenamine, 4,4'- methylenebis[N-(1-methylpropyl)-	1380 mg/kg (rat)	Not available	Not available

### STOT (Specific Target Organ Toxicity) – Single exposure

Data not available.

### STOT (Specific Target Organ Toxicity) – Repeated exposure

Data not available.

### Aspiration hazard

Data not available.

### Sensitization - respiratory and/or skin

The substance is not known to be a skin or respiratory sensitizer.

### Carcinogenicity

No ingredients of this product have been evaluated for carcinogenicity by the International Agency for Research on Cancer (IARC), the American Conference of Governmental Industrial Hygienists (ACGIH®) or the US National Toxicology Program (NTP).

### Reproductive toxicity

Data not available

### Germ cell mutagenicity

Not known to be mutagenic.

### Interactive effects

Data not available

## Section 12: Ecological Information

### 12.1 Toxicity:

Data not available.

### 12.2 Persistence and degradability:

Data not available.

### 12.3 Bioaccumulative potential:

Data not available

### 12.4 Mobility in soil:

Data not available.

## Section 13: Disposal Considerations

### 13.1 Disposal methods:

Do NOT discard into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage.

Dispose of waste in accordance with relevant national, regional and local environmental control provisions.

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### Section 14: Transport Information

#### 14.1 U.S. Hazardous Materials Regulation (DOT 49CFR):

Not regulated

#### 14.2 Shipping name:

Not applicable

#### 14.3 Transport hazard class(es):

Not applicable

#### 14.4 Packing group:

Not applicable

#### 14.5 Environmental hazards:

Not applicable

#### 14.6 Special precautions for user:

Not available

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not available

### Section 15: Regulatory Information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

##### USA

##### TSCA Status:

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

##### Canada

##### WHMIS 1988 Classification:

Not controlled

##### NSNR Status:

All ingredients are listed on the DSL or are not required to be listed.  
Benzenamine, 4,4'-methylenebis[N-(1-methylpropyl)- Notice with Respect to certain substances on the Domestic Substances List (DSL) -Part 2 Substances (Bioaccumulative, Toxic)

##### International Inventories:

**Australia:** Substance is listed on the inventory (AICS).

**China:** Substance is listed on the inventory (IECSC).

**European Union:** Substance is listed EINECS 226-122-6

**Japan:** Substance is listed on the inventory (ENCS).

**Korea:** Isotridecanol, ethoxylated is listed on the inventory (KECI / KECL).

**Mexico:** Not available

**New Zealand:** Not available

**Philippines:** Substance is listed on the inventory (PICCS).

**Taiwan:** Substance is listed on the inventory (TCSI).

**Turkey:** EINECS 226-122-6

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### Section 16: Other Information

**Revision date:** August 14, 2018

**Revision summary:** Not applicable

**References and sources for data:**  
CCOHS, Cheminfo  
HSDB® Hazardous Substances Data Bank, US National Library of Medicine  
RTECS, Registry of Toxic Effects of Chemical Substances

**Legend to abbreviations:**  
ACGIH – American Conference of Governmental Industrial Hygienists  
AIHA – American Industrial Hygiene Association  
GHS- Globally Harmonized System for Classification and Labeling.  
IDLH – Immediately Dangerous to Life or Health  
LD50- Median lethal dose; the dose causing 50 % lethality  
NIOSH-National Institute for Occupational Safety and Health  
OEL– Occupational exposure limit  
OSHA - Occupational Safety and Health Administration  
TWA – Time weighted average  
TLV - Threshold Limit Value  
WHMIS – Workplace Hazardous Materials Information System.

**Supplier Note:** This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.