

## Material Safety Data Sheet

### Section 1 – Chemical Product and Company Identification

|                                |   |
|--------------------------------|---|
| <b>MSDS Name:</b>              | Xylometazoline hydrochloride  |
| <b>Synonyms:</b>               | 2-(4- <i>tert</i> -Butyl-2,6-dimethylbenzyl)-2-imidazoline hydrochloride  |
| <b>Company Identification:</b> | Shanghai PI Chemicals Ltd.<br>Room 6-306, Building 2<br>1341 Pudong South Road<br>Pudong New Area, Shanghai 200212, China |
| <b>Telephone Number:</b>       | 86-21-51389368  |
| <b>Fax Number:</b>             | 86-21-51389367  |
| <b>Emergency Number:</b>       | 86-21-51389369  |

### Section 2 – Product Information

|                        |              |
|------------------------|--------------|
| <b>Catalog Number:</b> | PI-16624     |
| <b>CAS #:</b>          | 1218-35-5    |
| <b>MDL #:</b>          | MFCD00238707 |
| <b>Purity:</b>         | 98.0%        |
| <b>EINECS#</b>         | Unlisted     |

### Section 3 – Physical and Chemical Properties

|  |   |
|--|---|
| <b>Physical state:</b>                     | Crystalline powder                                  |
| <b>Color:</b>                              |   |
| <b>Odor:</b>                               | Not available                                       |
| <b>Molecular Formula:</b>                  | C <sub>16</sub> H <sub>24</sub> N <sub>2</sub> ·HCl |
| <b>Molecular Weight:</b>                   | 280.84  |
| <b>Freezing/Melting Point:</b>             | Not available                                       |
| <b>Boiling Point:</b>                      | Not available                                       |
| <b>Flash Point:</b>                        | Not available                                       |
| <b>Autoignition Temperature:</b>           | Not available                                       |
| <b>Refractive Index (n<sub>D</sub>20):</b> | Not available                                       |
| <b>Density:</b>                            | Not available                                       |
| <b>Decomposition Temperature:</b>          | Not available                                       |
| <b>Solubility:</b>                         | Not available                                       |

### Section 4 – Hazards Identification

- Eye:** Causes eye irritation.
- Skin:** Causes skin irritation. Harmful if absorbed through the skin.
- Ingestion:** May cause irritation of the digestive tract. Toxic if swallowed.
- Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.

## Section 5 – First Aid Measures

- Eye:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- Skin:** Get medical aid. Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.
- Ingestion:** Get medical aid immediately. Wash mouth out with water.
- Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

## Section 6 – Stability and Reactivity

- Chemical Stability:** Stable under normal temperatures and pressures.
- Materials to avoid:** Strong oxidizing agents.
- Conditions to Avoid:** Incompatible materials.
- Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides.
- Hazardous Polymerization:** Has not been reported.

## Section 7 – Handling and Storage

- Handling:** Avoid breathing dust, vapor, mist, or gas. Keep container tightly closed. Avoid contact with skin and eyes. Wash thoroughly after handling. Mechanical exhaust required.
- Storage:** Store in a cool, dry place. Store in a tightly closed container.

## Section 8 – Personal Protection

- Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Skin:** Wear appropriate protective gloves to prevent skin exposure.
- Clothing:** Wear appropriate protective clothing to prevent skin exposure.
- Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 – Fire and Explosion Hazard Data

**General Information:** As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.

## Section 10 – Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container.

## Section 11 – Toxicological Information

**RTECS#:** CAS# 1218-35-5: NJ2390000

**LD50/LC50:** RTECS: Not available

**Carcinogenicity:** Xylometazoline hydrochloride - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

## Section 12 – Environmental information

Not available

## Section 13 – Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

## Section 14 – Transport Information

|                       | IATA                          | IMO                          | RID/ADR                      |
|-----------------------|-------------------------------|------------------------------|------------------------------|
| <b>Shipping Name:</b> | TOXIC SOLID, ORGANIC, N.O.S.* | TOXIC SOLID, ORGANIC, N.O.S. | TOXIC SOLID, ORGANIC, N.O.S. |
| <b>Hazard Class:</b>  | 6.1                           | 6.1                          | 6.1                          |
| <b>UN Number:</b>     | 2811                          | 2811                         | 2811                         |
| <b>Packing Group:</b> | III                           | III                          | III                          |

## Section 15 – Regulatory Information

### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xn

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

S 36 Wear suitable protective clothing.

WGK (Water Danger/Protection)

CAS# 1218-35-5: 3

Canada

CAS# 1218-35-5: Not available

### US Federal

#### TSCA

CAS# 1218-35-5 is not listed on the TSCA Inventory. It is for research and development use only.

## Section 16 – Additional Information

**MSDS Creation Date:** 2/23/2007

**Update:** Original

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