



## **Material Safety Data Sheet**

**Supplier**

**TCI America  
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Portland, OR 97203  
1-800-423-8616**

**In case of Chemical Transportation Emergency Call**

**Chemtrec®  
(800) 424-9300 (U.S.)  
(703) 527-3887 (International)**



# SAFETY DATA SHEET

## 1. IDENTIFICATION

**Product name:** Quinestrol  
**Product code:** Q0091  
**Company:** TOKYO CHEMICAL INDUSTRY CO., LTD.  
**Address:** 4-10-2, Nihonbashi-honcho, Chuo-ku, Tokyo 103-0023, Japan  
**Responsible department:** Global Business Department  
**Telephone:** +81-3-5640-8872  
**Fax:** +81-3-5640-8902  
**e-mail:** globalbusiness@tokyokasei.co.jp  
**Revision number:** 4.2

## 2. HAZARDS IDENTIFICATION

### Classification of the GHS

#### PHYSICAL HAZARDS

Not classified

#### HEALTH HAZARDS

##### Carcinogenicity

Category 2

#### ENVIRONMENTAL HAZARDS

Not classified

### GHS label elements, including precautionary statements

#### Pictograms or hazard symbols



#### Signal word

Warning

#### Hazard statements

Suspected of causing cancer

#### Precautionary statements:

##### [Prevention]

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

##### [Response]

IF exposed or concerned: Get medical advice/attention.

##### [Storage]

Store locked up.

##### [Disposal]

Dispose of contents/container through a waste management company authorized by the local government.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/mixture:** Substance  
**Components:** Quinestrol  
**Percent:** >97.0%(LC)(T)  
**CAS Number:** 152-43-2  
**Synonyms:** 17 $\alpha$ -Ethinylestradiol 3-Cyclopentyl Ether  
**Chemical Formula:** C<sub>25</sub>H<sub>32</sub>O<sub>2</sub>  
**Notice Through Official Gazettes Reference Number**  
**ENCS:** Not Listed

## 4. FIRST-AID MEASURES

#### Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Get medical advice/attention.

#### Skin contact:

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Get medical advice/attention.

#### 4. FIRST-AID MEASURES

- Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical advice/attention.
- Ingestion:** Get medical advice/attention. Rinse mouth.
- Protection of first-aiders:** A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

#### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media:** Dry chemical, foam, water spray, carbon dioxide.
- Precautions for firefighters:** Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.
- Special protective equipment for firefighters:** When extinguishing fire, be sure to wear personal protective equipment.

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures:** Use extra personal protective equipment (P3 filter respirator for toxic particles). Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
- Environmental precautions:** Prevent product from entering drains.
- Methods and materials for containment and cleaning up:** Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

#### 7. HANDLING AND STORAGE

##### Handling

- Technical measures:** Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated.
- Advice on safe handling:** Avoid all contact!

##### Storage

- Storage conditions:** Keep container tightly closed. Store in a cool and dark place. Store locked up. Store away from incompatible materials such as oxidizing agents.
- Packaging material:** Law is followed.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering controls:** Install a closed system or local exhaust. Also install safety shower and eye bath.
- Control parameters:** Not set up
- Personal protective equipment**
- Respiratory protection:** Dust respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.
- Hand protection:** Impervious gloves.
- Eye protection:** Safety goggles. A face-shield, if the situation requires.
- Skin and body protection:** Impervious protective clothing. Protective boots, if the situation requires.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state (20°C):** Solid
- Form:** crystal - powder
- Color:** White - Almost white
- Odor:** No data available
- pH:** No data available
- Melting point/freezing point:** 110°C
- Boiling point/range:** No data available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Flash point:	No data available
Flammability or explosive limits:	
Lower:	No data available
Upper:	No data available
Relative density:	No data available
Solubility:	Soluble in : Dioxane

## 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under proper conditions.
Possibility of hazardous reactions:	No special reactivity has been reported.
Incompatible materials:	oxidizing agents
Hazardous decomposition products:	Carbon monoxide, Carbon dioxide

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	No data available
RTECS Number:	RC8948000

## 12. ECOLOGICAL INFORMATION

Ecotoxicity:	
Fish:	No data available
Crustacea:	No data available
Algae:	No data available
Persistence / degradability:	No data available
Bioaccumulative potential(BCF):	No data available
Mobility in soil	
Log Pow:	No data available
Soil adsorption (Koc):	No data available
Henry's Law constant(PaM <sup>3</sup> /mol):	No data available

## 13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

## 14. TRANSPORT INFORMATION

Hazards Class:	Does not correspond to the classification standard of the United Nations
UN-No:	Not Listed

## 15. JAPANESE REGULATORY INFORMATION

- Not applicable

## 16. OTHER INFORMATION

The reference company name of written contents	
Company:	TOKYO CHEMICAL INDUSTRY CO., LTD.

## 16. OTHER INFORMATION

**Address:** 4-10-2, Nihonbashi-honcho, Chuo-ku, Tokyo 103-0023, Japan  
**Department:** Global Business Department  
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This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.