



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name: 4-sec-Butylphenol
Product code: B0733
Company: TCI (Shanghai) DEVELOPMENT CO., LTD.
Address: No.96 Pu Gong Road, Shanghai Chemical Industry Park, Shanghai 201507 China
Responsible Department: Sales Department
Telephone: +86-(0)21-67121386
Fax: +86-(0)21-67121385
e-mail: sales@tcishanghai.com.cn
Revision number: 1

2. HAZARDS IDENTIFICATION

Classification of the GHS

PHYSICAL HAZARDS	Not classified
HEALTH HAZARDS	
Acute toxicity (Oral)	Category 5
Skin corrosion/irritation	Category 1C
Serious eye damage/eye irritation	Category 1
ENVIRONMENTAL HAZARDS	Not classified

GHS label elements

Pictograms or hazard symbols



Signal word	Danger
Hazard statement	May be harmful if swallowed Causes severe skin burns and eye damage

Precautionary statements

[Prevention]

Do not breathe.
 Wash hands thoroughly after handling.
 Wear protective gloves/eye protection/face protection.
[Response] IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 Wash contaminated clothing before reuse.
 Immediately call a POISON CENTER or doctor/physician.

[Storage]

[Disposal]

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance
Component(s): 4-sec-Butylphenol
Percent: >98.0%(GC)
CAS Number: 99-71-8

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Formula: C₁₀H₁₄O

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

Symptoms/effects: burning sensation, cough, wheezing, laryngitis, nausea, dizziness, headache, burn

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.

Specific methods: 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 contact with skin, eyes and clothing.

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.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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:	60 °C
Boiling Point/Range:	110 °C/1.9kPa
Flash Point:	No data available
Explosive limits	
Lower:	No data available
Upper:	No data available
Vapor Pressure:	5.0kPa/25°C
Density:	No data available
Solubility:	Soluble in : Methanol Insoluble in: Water (960mg/L 25°C)
log Pow =	3.08

10. STABILITY AND REACTIVITY

Stability:	Stable under proper conditions.
Reactivity:	No special reactivity has been reported.
Incompatible materials:	oxidizing agents, bases, copper, and their alloys , brass
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	ipr-mus LD50:66 mg/kg ivn-mus LD50:40 mg/kg orl-rat LD50:2450 mg/kg
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Germ cell mutagenicity:	cyt-ham-Ing 10 mmol/L/6H (+S9)
Carcinogenicity:	
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	No data available
RTECS Number:	SJ8924000

12. ECOLOGICAL INFORMATION

Ecotoxicity:	
Fish:	48h LC50:2.9 ppm (Oryzias latipes) 96h LC50:2.6 mg/L (Oryzias latipes)
Crustacea:	48h EC50:3.1 mg/L (Daphnia magna)
Algae:	72h EC50:1.7 mg/L (Selenastrum capricornutum)
Persistence / degradability:	0% (by BOD), 0% (by TOC), 1% (by GC)
Bioaccumulative potential(BCF):	0.93 - 30 (conc. 20 ppb), 3.7 - 37 (conc. 2 ppb)
Mobility in soil	
log Pow:	3.08
Soil adsorption (Koc):	No data available
Henry's Law constant(PaM³/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: 8: Corrosive.
UN-No: 2430
Proper shipping name: Alkylphenols, solid, n.o.s.
Packing group: III

15. REGULATORY INFORMATION

Safe management ordinance of dangerous chemical product (State Council announces on January 26, 2002): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

16. OTHER INFORMATION

The reference company name of written contents

Company: TCI (Shanghai) DEVELOPMENT CO., LTD.
Address: No.96 Pu Gong Road, Shanghai Chemical Industry Park, Shanghai 201507 China
Department: R&D (Information Management) Department
Telephone: +86-(0)21-67121388*461
Fax: +86-(0)21-67121385

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