

化 学 品 安 全 技 术 说 明 书

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**MSDS标题**

P-TERT-BUTYLPHENYLMAGNESIUM BROMIDE MSDS报告

**产品标题**

4-叔丁基苯基溴化镁

**CAS号**

63488-10-8

**化学品及企业标识**

**PRODUCT NAME**

P-TERT-BUTYLPHENYLMAGNESIUM BROMIDE

**NFPA**

Flammability	3
Toxicity	1
Body Contact	3
Reactivity	2
Chronic	0

SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4

**PRODUCT USE**

Grignard reagent used in the synthesis of hydrocarbons, alcohols, ketones, organic acids, amines, silicones, boranes. Avoid strong bases, acids, alcohols, oxygen. Reacts with chlorine to form an explosive product. May explode in presence of hexafluoropropane.

## SYNONYMS

C10-H13-Br-Mg, "bromo[4-(1, 1-dimethylethyl)phenyl]magnesium", "magnesium, bromo[4-(1, 1-dimethylethyl)phenyl]-", "benzene, (1, 1-dimethylethyl)-, magnesium complex", "(1, 1-dimethylethyl)benzene, magnesium complex", "magnesium, bromo(p-tert-butylphenyl)-", bromo[p-(tert-butylphenyl)]magnesium, "4-(1, 1-dimethylethyl)phenylmagnesium bromide", "4-(1, 1-dimethylethyl)phenylmagnesium bromide", "magnesium, bromo(para-tert-butylphenyl)-", "para-tert-butylmagnesium bromide", "Grignard reagent"

## CANADIAN WHMIS SYMBOLS

## EMERGENCY OVERVIEW

### RISK

Spontaneously flammable in air.

Causes burns.

Risk of serious damage to eyes.

Reacts violently with water liberating extremely flammable gases.

May cause fire.

### POTENTIAL HEALTH EFFECTS

### ACUTE HEALTH EFFECTS

### SWALLOWED

The material can produce chemical burns within the oral cavity and gastrointestinal tract following ingestion. Considered an unlikely route of entry in commercial/industrial environments.

### EYE

The material can produce chemical burns to the eye following direct contact. Vapors or mists may be extremely irritating. If applied to the eyes, this material causes severe eye damage. The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

### SKIN

The material can produce chemical burns following direct contact with the skin. Solution of material in moisture on the skin, or perspiration, may markedly increase skin corrosion and accelerate tissue destruction. Open cuts, abraded or irritated skin should not be exposed to this material. The material may accentuate any pre-existing skin condition. The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and

thickening of the skin.

## **INHALED**

If inhaled, this material can irritate the throat and lungs of some persons. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled. The material may produce respiratory tract irritation, and result in damage to the lung including reduced lung function.

## **CHRONIC HEALTH EFFECTS**

Principal routes of exposure are by accidental skin and eye contact and inhalation of generated dusts. No human exposure data available. For this reason health effects described are based on experience with chemically related materials. As with any chemical product, contact with unprotected bare skin; inhalation of vapor, mist or dust in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.