Material Safety Data Sheet
Benzyltriphenylphosphonium chloride

Section 1 - Chemical Product and Company Identification
MSDS Name: Benzyltriphenylphosphonium chloride
Catalog Numbers: 10621-0000, 10621-0250, 10621-1000
Synonyms:
Company Identification: Acros Organics BVBA
Janssen Pharmaceuticalaan 3a
2440 Geel, Belgium
Company Identification: (USA)
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410
For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients
CAS#  Chemical Name: %  EINECS#
1100-88-5 Benzyltriphenylphosphonium chloride 99% 214-154-3
Hazard Symbols: T
Risk Phrases: 24/25 36/37/38

Section 3 - Hazards Identification
EMERGENCY OVERVIEW
Irritating to eyes, respiratory system and skin. Toxic in contact with skin and if swallowed.
Potential Health Effects
Eye: Causes eye irritation.
Skin: Causes skin irritation. Toxic in contact with skin.
Ingestion: May cause irritation of the digestive tract. Toxic if swallowed.
Inhalation: Causes respiratory tract irritation.

Section 4 - First Aid Measures

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

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - 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. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.
Storage: Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits
CAS# 1100-88-5:
Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

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 - Physical and Chemical Properties

Physical State: Crystalline powder
    Color: white to almost white
    Odor: odorless
    pH: Not available
    Vapor Pressure: Not available
    Viscosity: Not available
    Boiling Point: Not available
    Freezing/Melting Point: 337 deg C (638.60°F)
    Autoignition Temperature: Not available
    Flash Point: 300 deg C (572.00 deg F)
    Explosion Limits: Lower: Not available
    Explosion Limits: Upper: Not available
    Decomposition Temperature:
        Solubility in water: Soluble

Specific Gravity/Density:
    Molecular Formula: C25H22ClP
    Molecular Weight: 388.86

Section 10 - Stability and Reactivity

Chemical Stability:
    Stable under normal temperatures and pressures. Light sensitive.
    Hygroscopic: absorbs moisture or water from the air.
Conditions to Avoid: Incompatible materials, light, exposure to moist air or water.
Incompatibilities with Other Materials: Strong oxidizing agents, bases.
Hazardous Decomposition: Hydrogen chloride, phosphine, carbon monoxide, oxides of phosphorus, carbon dioxide.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 1100-88-5: TA2416500

LD50/LC50: RTECS: CAS# 1100-88-5: Oral, rat: LD50 = 43 mg/kg;
Other: Inhalation, rat LC50: ca. 130 mg/L/4H
Benzyltriphenylphosphonium chloride - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Not available
Other: Do not empty into drains.
log Pow: 1.04

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

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Section 15 - Regulatory Information

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: T
Risk Phrases:
   R 24/25 Toxic in contact with skin and if swallowed.
   R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:
   S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
   S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
   S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)
   CAS# 1100-88-5: Not available

Canada
   CAS# 1100-88-5 is listed on Canada's DSL List

US Federal
   TSCA
   CAS# 1100-88-5 is listed on the TSCA Inventory.

Section 16 - Other Information
   MSDS Creation Date: 11/13/1996
   Revision #2 Date 5/23/2005
   Revisions were made in Sections: General revision.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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