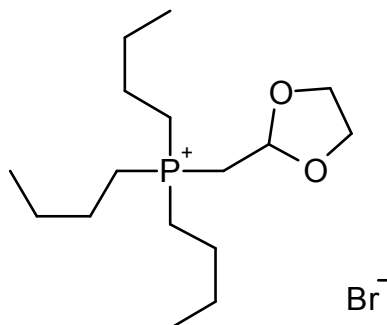


**1. Name of product and company**

Chemical name: (Dioxalan-2-yl-methyl)-tributylphosphonium bromide

CAS-nr:



Supplier: Ramidus AB  
Ideon  
SE-22370 Lund  
Sweden  
Tel: +46 46 2862850  
Fax: +46 46 2862851

Contact person: Hans Holmberg  
Tel (off office): +46 40 461350

**2. Hazards identification**

Harmful by inhalation and if swallowed. Irritating to eyes, respiratory system and skin.

**3. Composition**

(Dioxalan-2-yl-methyl)-tributylphosphonium bromide

CAS-nr:

95 %

**4. First aid measures**

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. In case of contact, immediately wash skin with soap and copious amounts of water for at least 15 minutes. If inhaled remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. If swallowed, wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse.

**5. Fire fighting measures**

Extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Unusual hazards: Emits toxic fumes of hydrogen bromide and phosphorpentoxide.

**6. Accidental release measures**

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Soak up in an absorbent, place in a bag and hold for disposal. Ventilate area and wash spill site after material pick up is complete.

**7. Handling and storage**

All handling of dangerous chemicals should be performed in a hood or a well ventilated area.

Store in a tightly closed container in a dry, dark place.

**8. Exposure control / personal protection**

Work in a well ventilated area. Use chemical safety goggles and compatible chemical resistant gloves. Use suitable respirator. Avoid contact with eyes, skin and clothing. Avoid prolonged and repeated exposure. Wash thoroughly after handling.

**9. Physical and chemical properties**

Viscous yellow liquid.

**10. Stability and reactivity**

Incompatible with strong oxidizing agents.

**11. Toxicological information**

Harmful by inhalation, ingestion or absorbed through skin. Cause burns.

**12. Ecotoxicological effects.**

Not known.

**13. Disposal considerations**

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

**14. Transport information**

IATA:  
UN nr: 2810, Toxic liquid, organic, n.o.s.  
Packing group: III.

IMDG:  
UN nr: 2810, Toxic liquid, organic, n.o.s.  
Packing group: III.

ADR/RID:

Hazard class: 6.1.25c

**15. Regulatory information**

R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 36/37/38	Irritating to eyes, respiratory system and skin.
S 20/21	When using, do not eat, drink or smoke.
S 24/25	Avoid contact with skin and eyes.
S 27/28	After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of water.
S 29/35	Do not empty into drains, dispose of this material and its container to hazardous or special waste-collection point.
S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

**16. Other information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.