

# **Environmental Health Criteria 15**

## **TIN AND ORGANOTIN COMPOUNDS A Preliminary Review**

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INTERNATIONAL PROGRAMME ON CHEMICAL SAFETY

## ENVIRONMENTAL HEALTH CRITERIA 15

### TIN AND ORGANOTIN COMPOUNDS

#### A Preliminary Review

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NOTE TO READERS OF THE CRITERIA DOCUMENTS

While every effort has been made to present information in the criteria documents as accurately as possible without unduly delaying their publication, mistakes might have occurred and are likely to occur in the future. In the interest of all users of the environmental health criteria documents, readers are kindly requested to communicate any errors found to the Division of Environmental Health, World Health Organization, Geneva, Switzerland, in order that they may be included in corrigenda which will appear in subsequent volumes.

In addition, experts in any particular field dealt with in the criteria documents are kindly requested to make available to the WHO Secretariat any important published information that may have inadvertently been omitted and which may change the evaluation of health risks from exposure to the environmental agent under examination, so that the information may be considered in the event of updating and re-evaluation of the conclusions contained in the criteria documents.

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The following list of organotin compounds includes the trivial name of the compound, the CAS name and number, the molecular formula, and alternative names,

ORGANOTIN COMPOUNDS		
Name used in text	CAS Index name	CAS
<i>Monosubstituted compounds</i>		
ethyltin trichloride	stannane, trichloroethyl- (9Cl) (8Cl)	106
ethyltin triiodide	stannane, ethyltriiodo- (9Cl) (8Cl)	364
butyltin trichloride	stannane, butyltrichloro- (9Cl) (8Cl)	111
butylstannoic acid	stannane, butylhydroxyoxo- (9Cl) (8Cl)	227
butylthiostannoic acid	stannane, butylmercaptotoxo- (8Cl)	264
butyltin-S,S',S"-tris	acetic acid, 2,2',2"-	258

ORGANOTIN COMPOUNDS		
Name used in text	CAS Index name	CAS
Monosubstituted compounds cont'd.		
(isooctylmercaptoacetate)	((butylstannylidyne)) tris (thio) tris-, triisooctyl ester (9Cl); acetic acid, ((butylstannylidyne)	

trithio) tri,-triisooctylester (8Cl)

butyltin-S,S',S"-tris (2-ethyl hexylmercaptoacetate)	8 oxa-3,5-dithia-4- stannatetradecanoic acid, 4 butyl-10-ethyl-4-((2-((2- ethylhexyl)oxyl)-2-oxoethyl) thio)-7-oxo-, 2-ethylhexyl ester (9Cl); acetic acid, ((butylstannylidyne) trithio)tri-, tris(2-ethylhexyl) ester (8Cl)	268
butyltin sulfide	distannathiane, dibutyldithioxo-(9Cl); distannthiane, 1,3-dibutyl- 1,3-dithioxo- (8Cl)	156

## ORGANOTIN COMPOUNDS

Name used in text	CAS Index name	CAS
Monosubstituted compounds cont'd.		
octyltin trichloride	stannanne, trichlorooctyl-(9Cl) (8Cl)	309
octyltin tris(2-ethyl hexylmercaptoacetate)	8-oxa-3,5-dithia-4- stannatetradecanoic acid, 10-ethyl-4-((2-((2-ethylhexyl)oxy) -2-oxoethyl) thio)-4-octyl-7-oxo-, 2-ethylhexylester (9Cl); acetic acid, ((octylstannylidyne) trithio)tri-, tris(2-ethylhexyl) ester (8Cl)	271
cyclohexylstannoic acid	stannano, cyclohexylhydroxyoxo- (9Cl) (8Cl)	227
Disubstituted compounds dimethyltin dichloride	stannane, dichlorodimethyl- (9Cl) (8Cl)	753

## ORGANOTIN COMPOUNDS

Name used in text	CAS Index name	CAS
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## Disubstituted compounds cont'd.

dimethyltin S,S'-bis (isooctyl mercaptoacetate)	acetic acid, 2,2'-((dimethyl- stannylene) bis (thio))bis-, diisooctyl ester (9Cl)	266
diethyltin dichloride	stannane, dichlorodiethyl-	866
diethyltin diiodide	stannane, diethyldiiodo-	276
diethyltin dioctanoate	stannane, diethylbis((1-oxo octyl)oxy) (9Cl); stannane, diethylbis (octanoyloxy) (8Cl)	264
dipropyltin dichloride	stannane, dichlorodipropyl- (9Cl) (8Cl)	867
diisopropyltin dichloride	stannane, dichlorobis (1-methylethyl)- (9Cl)	388

## ORGANOTIN COMPOUNDS

Name used in text	CAS Index name	CAS
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## Disubstituted compounds cont'd.

dibutyltin dichloride	stannane, dibutyldichloro- (9Cl) (8Cl)	683
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