

# Safety (MSDS) data for dl-methadone hydrochloride



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## General

Synonyms: 6-dimethylamino-4,4-diphenyl-3-heptanone hydrochloride, 1,1-diphenyl-1-(2-dimethylaminopropyl)-2-butanone hydrochloride, 4,4-diphenyl-6-dimethylamino-3-heptanone hydrochloride, adanon, adanon hydrochloride, adolan, algidon, algolysin, amidon hydrochloride, butalgin, depridol, diaminon, diaminon hydrochloride, eptadone, fenadone, heptadon, heptadon hydrochloride, ketalgin, levadone, levothyl, mecodin, mephenon, metasedin, miadone, meheptan, phenadone, l-polamidon, symoron, tussal, tussol, westadone, further trade names

Use: heroin substitute, narcotic, analgesic, detox maintenance drug

Molecular formula:  $C_{21}H_{28}ClNO$

CAS No: 1095-90-5

EINECS No:

## Physical data

Appearance: crystalline powder

Melting point: 235 C

Boiling point:

Vapour density:

Vapour pressure:

Density (g cm<sup>-3</sup>):  
Flash point:  
Explosion limits:  
Autoignition temperature:  
Water solubility: moderate

## Stability

Stable. Incompatible with strong oxidizing agents.

## Toxicology

Experimental teratogen. **Very toxic - lethal dose in humans is generally well below 1g.** CNS depressant. **May cause reproductive damage. May act as a hallucinogen.** Severity of toxic effects may be enhanced by alcohol. May cause systemic effects. May interact with prescription and other drugs.

### Toxicity data

(The meaning of any toxicological abbreviations which appear in this section is given [here.](#))

ORL-HMN LDLO 1.4 mg kg<sup>-1</sup>

IVN-RAT LD50 9 mg kg<sup>-1</sup>

IPN-MUS LD50 8 mg kg<sup>-1</sup>

ORL-MUS LD50 124 mg kg<sup>-1</sup>

### Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

R26 R27 R28.

## Transport information

(The meaning of any UN hazard codes which appear in this section is given [here.](#))

# Personal protection

Regulated drug in most countries. Wear gloves to prevent absorption through the skin. Ensure good ventilation.

## Safety phrases

(The meaning of any safety phrases which appear in this section is given [here.](#))

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