



MATERIAL SAFETY DATA SHEET: **CODEINE PHOSPHATE**

LAST UPDATE: January 2009

1 Chemical product identification

Common name: **Codeine phosphate, Methymorphine phosphate**

Manufacturer: S.A.L.A.R.S. S.p.A.
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2 Composition/Information on ingredients

Chemical identification

CODEINE PHOSPHATE 100%

CAS#: 41444-62-6 (hemihydrate); 52-28-8 (anhydrous)

EINECS#: 200-137-8 (anhydrous)

Chemical name: morphinan-6- α -ol-4,5- α -epoxy-3-methoxy-17-methyl, phosphate

Chemical Family: Codeine

Therapeutic category: Opioid Analgesic

Formula: $C_{18}H_{21}NO_3 \cdot H_3PO_4 \cdot 1/2H_2O$

3 Hazard Identification

May be harmful by inhalation, ingestion or if absorbed through the skin. Exposure may cause nausea, dizziness, headache and vomiting.

4 First aid measures

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

In case of skin contact, flush with copious amounts of water for at least fifteen minutes. Remove contaminated clothing and shoes. Call a physician.

In case of contact with eyes, flush with copious amounts of water: assure adequate flushing by separating the eyelids with fingers. Call a physician.

5 Fire-fighting measures

Extinguishing media: carbon dioxide, dry chemical powder, alcohol or polymer foam.

Wear self contained breathing apparatus and protecting clothing to prevent contact of eyes and skin with toxic fumes emitted under fire conditions.

6 Accidental release measures

Wear protection equipment.

Sweep up, place in a bag and hold for waste disposal.

Avoid rising dust. Ventilate area and wash spill site after material pickup is complete.

Waste disposal method: dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner scrubber. Observe local laws.

WARNING: THIS IS A NARCOTIC SUBSTANCE UNDER INTERNATIONAL CONTROL

7 Handling and storage

Avoid contact with eyes and skin; wear protective clothing and approved respirator and gloves.

Store in well closed containers, protected from light and heat.

8 Exposure controls and personal protection

Respiratory protection: use approved respirator.

Hand protection: rubber protective gloves.

Eyes protection: wear safety goggles.

9 Physical and chemical properties

Appearance: solid

Colour: white

Odour: odourless

Boiling point: not applicable

Melting point: 227°C

Solubility in water: soluble

Reactivity in water: not applicable

Vapour density: not applicable

Flash point: not applicable

Flammable limits: not applicable

Auto ignition temperature: not applicable

10 Stability and reactivity

The material is stable under a safety point of view.

Incompatibility: not applicable.

Hazardous decomposition products: when heated to decomposition material emits toxic fumes. Emits toxic fumes under fire conditions.

Hazardous polymerisation: will NOT occur.

11 Toxicological information

TLV: not established

(Codeine phosphate anhydrous RTECS# QD1310000)

orl-wmn	TDLo	3600	μg/kg	2D-Intermittent
orl-man	TDLo	5143	μg/kg	5D-Intermittent
orl-rat	LD50	85	mg/kg	
sbc-rat	LD50	312	mg/kg	
ivn-rat	LD50	54	mg/kg	
orl-mus	LD50	237	mg/kg	
sbc-mus	LD50	80	mg/kg	
ivn-mus	LD50	62	mg/kg	
orl-rbt	LDLo	100	mg/kg	
sbc-rbt	LDLo	40	mg/kg	

Persons developing hypersensitivity reactions must receive immediate medical attention. Material may be irritating to mucous membrane and respiratory tract. As a general rule when handling active materials, avoid all contact and inhalation of dust, fumes, mists and/or vapours associated with material.

Keep containers tightly closed and use with adequate ventilation.

Wash thoroughly after handling.

12 Ecological and ecotoxicological information

Biodegradability: not available.

Toxicity for fishes and bacteria: not available.

13 Disposal consideration

Be adequate to existing regulations. See also point N° 6.

14 Transport information

UN proper Shipping Name	Alkaloid, solid, NOS and Alkaloid Salts, solid NOS
UN N°	1544
Hazard Class	6.1
Packing Group	III

Labelling according to current ICAO/IATA Dangerous Goods Regulations.

15 Regulatory information

This product belongs to the family of Opium Alkaloids and is regarded as Narcotic under UN international control.

Hazard sign: HARMFUL

R Phrase: R 20/22



Labelling according to Directive 67/548/EEC.

16 Other information

The information given in this document has been compiled on the basis of the best available knowledge; it does not imply that it is accurate or complete in all cases. It is the user responsibility to satisfy themselves as to the suitability of the information for his/her own particular use.

Toxicological data are reported as published in the USP Material Safety Data Sheet for Codeine Phosphate reference standard.
