

SAFETY DATA SHEET

Version 6.1

Revision Date 05/28/2017

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1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Opipramol dihydrochloride

Product Number : O5889

Brand : Sigma

CAS-No. : 909-39-7

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.
3050 Spruce Street
ST. LOUIS MO 63103
UNITED STATES

Telephone : +1 314 771-5765

Fax : +1 800 325-5052

1.4 Emergency telephone number

Emergency Phone # : +1-703-527-3887

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H302

Harmful if swallowed.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P264

Wash skin thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P273

Avoid release to the environment.

P301 + P312

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330	Rinse mouth.
P391	Collect spillage.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : 4-[3-(5H-Dibenz[b,f]azepin-5-yl)propyl]-1-piperazineethanol

Formula : $C_{23}H_{29}N_3O \cdot 2HCl$

Molecular weight : 436.42 g/mol

CAS-No. : 909-39-7

EC-No. : 213-000-2

Hazardous components

Component	Classification	Concentration
4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride		
	Acute Tox. 4; Aquatic Acute 1; Aquatic Chronic 1; H302, H410	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride gas

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle r (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: solid
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	()No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	log Pow: 3.42
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride gas

Other decomposition products - No data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - 900 mg/kg(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

LD50 Oral - Mouse - 443 mg/kg(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

Inhalation: No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

Dermal: No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

LD50 Intraperitoneal - Rat - 95 mg/kg(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

LD50 Intraperitoneal - Mouse - 120 mg/kg(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

LD50 Intravenous - Rabbit - 11 mg/kg(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

LD50 Subcutaneous - Rat - 497 mg/kg(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

LD50 Subcutaneous - Mouse - 315 mg/kg(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

Skin corrosion/irritation

No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

Serious eye damage/eye irritation

No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

Respiratory or skin sensitisation

No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

Germ cell mutagenicity

No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

Specific target organ toxicity - single exposure

No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

Additional Information

RTECS: TL9100000

analgesic activity, sedative properties(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 0.034 mg/l - 96 h(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)
Remarks: The preceding data, or interpretation of data, was determined using Quantitative Structure Activity Relationship (QSAR) modeling.

12.2 Persistence and degradability

Biodegradability Result: - According to the results of tests of biodegradability this product is not readily biodegradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available(4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

Very toxic to aquatic life with long lasting effects.
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)
Marine pollutant : yes

IATA

UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride)

Further information

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride	909-39-7	

New Jersey Right To Know Components

	CAS-No.	Revision Date
4-[3-(5H-Dibenz(b,f)azepin-5-yl)propyl]piperazine-1-ethanol dihydrochloride	909-39-7	

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION**Full text of H-Statements referred to under sections 2 and 3.**

H302	Harmful if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

HMIS Rating

Health hazard:	1
Chronic Health Hazard:	
Flammability:	0
Physical Hazard	0

NFPA Rating

Health hazard:	1
Fire Hazard:	0
Reactivity Hazard:	0

Further information

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Preparation Information

Sigma-Aldrich Corporation
Product Safety – Americas Region
1-800-521-8956
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