

MATERIAL SAFETY DATA SHEET

ANALYTICAL REFERENCE STANDARDS

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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Imipramine.hydrochloride

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to European Regulation (EC) 1272/2008

Acute toxicity oral (Cat. 4)

H302: Harmful if swallowed

Classification according to European Directive 67/548/EEC or directive 1999/45/EC

Harmful

Harmful if swallowed. Wear suitable protective clothing, gloves.

Label elements

Labelling according to European Regulation (EC) 1272/2008

Hazard Pictograms:



GHS07

Signal word: Warning

Hazard Statements:

H302

Harmful if swallowed

Precautionary Statements:

Prevention

P261

Avoid breathing dust/fume/gas/mist/vapours/spray

P264

Wash hands thoroughly after handling

P280

Wear protective gloves/protective clothing/eye protection/face protection

Response

Lipomed AG is **ISO 9001:2008** certified and **ISO/IEC 17025:2005, ISO Guide 34:2009** accredited.

P301+P312

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

P405

Store locked up

Labelling according to European Directive 67/548/EEC or directive 1999/45/EC

Indication of danger:



Xn

Risk phrases:

R22

Harmful if swallowed.

Safety phrases:

S36/37

Wear suitable protective clothing, gloves.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Lipomed Product Code: IMP-1066-HC

Bulk product

Product name: Imipramine.hydrochloride

Formula: $C_{19}H_{24}N_2.HCl$

Molecular weight: 280.40 + 36.46

CAS Number: 113-52-0

EC Number: 204-030-7

Synonyms: 3-(10,11-dihydro-5H-dibenzo[b,f]azepin-5-yl)-N,N-dimethylpropan-1-amine.hydrochloride ; 10,11-Dihydro-N,N-dimethyl-5H-dibenz[b,f]azepine-5-propanamine.hydrochloride ; 1-(3-Dimethylaminopropyl)-4,5-dihydro-2,3,6,7-dibenzazepine.hydrochloride ; N-(.gamma.-Dimethylaminopropyl)iminodibenzyl.hydrochloride ; Antideprin, Censtin ; Deprimin ; Deprinol ; Depsonil ; Dynaprin ; Eupramin ; Imipramil ; Irmin ; Janimine ; Melipramin, Prazepine ; Surplix, Tofranil

SECTION 4 - FIRST AID MEASURES

FOLLOWING ANY ROUTE OF EXPOSURE GET MEDICAL ATTENTION IMMEDIATELY. SERIOUS TOXICITY IS PRECEDED BY VOMITING IN MOST CASES OF ORAL INGESTION.

Inhalation:

If inhaled, remove to fresh air. If breathing is labored or with coughing, give 100% supplemental oxygen. If not breathing, begin artificial respiration. DO NOT GIVE MOUTH-TO-MOUTH RESUSCITATION.

Ingestion:

If swallowed, get medical attention immediately; do not induce vomiting. Never give anything by mouth to an unconscious person. If not breathing, begin artificial respiration. Call a physician.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse. Call a physician.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. Call a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Fire:

Noncombustible. Use extinguishing media appropriate to surrounding fire conditions.

Fire Extinguishing Media:

Emits toxic fumes under fire conditions. Carbon dioxide; dry chemical powder; appropriate foam.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Evacuate area. Shut off all sources of ignition. Do not allow material to enter drains and water sources. To clean up, cover with dry-lime, sand or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Wash spill site with appropriate cleaning agent to removal residual traces of spilled material.

SECTION 7 - HANDLING AND STORAGE

Handling:

Do not breathe dust. Avoid contact with eyes, skin and clothing. Avoid prolonged and repeated exposure.

Storage:

Keep tightly closed. Store in a cold and dry place.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Handling:

Use only in a chemical fume hood. Wash thoroughly after handling.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

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Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, wear a supplied air, full-facepiece respirator, airtight hood, or full-face piece self-contained breathing apparatus. Breathing air quality must meet the requirements of the OSHA respiratory protection standard (29CFR1910.134). This substance has poor warning properties. Where respirators are required, you must have a written program covering the basic requirements in the OSHA respirator standard. These include training, fit testing, medical approval, cleaning, maintenance, cartridge change schedules, etc. See 29CFR1910.134 for details.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Solid, white

Property	Value
pH	N/A
BP/BP range	N/A
MP/MP range	168 – 174 °C
Flash point	N/A
Flammability	N/A
Auto ignition Temp	N/A
Oxidizing properties	N/A
Explosive properties	N/A
Explosion limits	N/A
Vapor pressure	N/A
SG/density	N/A
Partition coefficient	N/A
Viscosity	N/A
Vapor density	N/A
Saturated vapor conc.	N/A
Evaporation rate	N/A
Bulk density	N/A
Decomposition temp.	N/A
Solvent content	N/A
Surface tension	N/A
Conductivity	N/A
Miscellaneous data	N/A
Solubility	soluble in methanol and water.

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:

Stable; Protect from light.

Avoid contact with strong oxidizing agents,

Hazardous decomposition products:

Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas.

Hazardous polymerization:

Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS: Not available

Acute toxicity:

Oral; rat: LD50: 305 mg/kg

Route of exposure: Skin contact: may cause skin irritation
 Eye contact: may cause eye irritation
 Inhalation: may be harmful if inhaled. Material is irritating to mucous
 membranes and upper Respiratory tract.
 Skin absorption: may be harmful if absorbed through the skin
 Ingestion: harmful if swallowed

Specific target organ toxicity – single exposure: Inhalation – May cause respiratory irritation.

Symptoms of exposure: orthostatic hypotension, hypertension, tachycardia, Palpitation,
 myocardial infarction, Cardiac arrhythmias, heart block,
 precipitation of congestive heart failure, stroke, Hallucinations.,
 Disorientation, delusions, anxiety, restlessness, insomnia,
 hypomania, numbness, tingling, paresthesias of extremities,
 Ataxia., Tremors, Incoordination., peripheral neuropathy,
 Seizures

To the best of our knowledge, the chemical, physical and toxicological properties have not
been thoroughly investigated

SECTION 12 - ECOLOGICAL INFORMATION

No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material. Dissolve
or mix the material with a combustible solvent and burn in a chemical incinerator equipped
with an afterburner and scrubber. Observe all federal, state, and local environmental
regulations.

SECTION 14 - TRANSPORT INFORMATION

RID/ADR

Non-hazardous for road transport

IMDG

Non-hazardous for sea transport

IATA

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Non-hazardous for air transport

SECTION 15 - REGULATORY INFORMATION

This MSDS complies with Regulation: No.: 1907/2006

SECTION 16 - OTHER INFORMATION

This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. Lipomed AG shall not be held liable for any damage resulting from handling or contact with the above products. It is offered solely for your consideration, investigation and verification.

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