



## MATERIAL SAFETY DATA SHEET

While we believe the information provided herein is accurate and current, JHP Pharmaceuticals makes no representation or warranties, either explained or implied, and assume no responsibility for any damage or injuries of any kind, which may result from use or reliance upon this information

### SECTION 1

#### MATERIAL IDENTIFICATION

**PRODUCT NAME:** Brevital<sup>®</sup> C-IV (*methohexital sodium for injection, USP*)      **DATE OF ISSUE:** 3/7/08

**FORMULA:** Crystalline Powder

**SUPERCEDES:** NA

**REVISION:** 1.0

**SYNONYMS:** Methohexital Sodium for Injection, USP

**NDC #:** 42023-105-01 Brevital<sup>®</sup> C-IV (*methohexital sodium for injection, USP*), 500mg, 50mL MDV  
42023-106-01 Brevital<sup>®</sup> C-IV (*methohexital sodium for injection, USP*), 2.5gm, 50mL MDV

**MANUFACTURING DIVISION:**

**ADDRESS:**

**PHONE :**

JHP Pharmaceuticals, LLC.

870 Parkdale Road  
Rochester, MI 48307

Emergency: 248-656-5400  
Medical Affairs: 866-923-2474

### SECTION 2

#### INGREDIENT (S)

**INGREDIENT NAME:**

CAS # 309-36-4 (Methohexital Sodium)

CAS # 497-19-8 (Sodium Carbonate)

**EXPOSURE LIMITS/ GUIDELINES:** No occupational exposure limits established.

**OSHA PEL:** NA

**ACGIH TLV:** NA

**OTHER:** NA

**LISTED AS CARCINOGEN:** No

### SECTION 3

#### HAZARD IDENTIFICATION

**MAJOR HEALTH HAZARDS:**

**POTENTIAL HEALTH EFFECTS:** Harmful if swallowed. Central Nervous System effects.

**INHALATION:**

**SHORT TERM EXPOSURE:** Irritation.

**LONG TERM EXPOSURE:** No information is available.

**SKIN CONTACT:**

**SHORT TERM EXPOSURE:** Irritation.

**SECTION 3****HAZARD IDENTIFICATION cont.****EYE CONTACT:**

**SHORT TERM EXPOSURE:** Irritation.

**LONG TERM EXPOSURE:** No information is available.

**INGESTION:**

**SHORT TERM EXPOSURE:** Nausea, vomiting, constipation, diarrhea, stomach pain, internal bleeding, drowsiness, dizziness, loss of coordination, unconsciousness, coma, dilated pupils, pin-point pupils, difficulty breathing, blood disorders, irregular heartbeat, changes in blood pressure, bluish skin color, changes in body temperature, lung congestion, heart disorders, kidney damage, allergic reactions.

**LONG TERM EXPOSURE:** Nerve damage, headache, changes in body temperature, blood disorders, internal bleeding, reproductive effects, allergic reactions, skin disorders.

**EYE CONTACT:**

**SHORT TERM EXPOSURE:** Irritation.

**LONG TERM EXPOSURE:** No information is available.

**INGESTION:**

**SHORT TERM EXPOSURE:** Changes in blood pressure, tearing, nausea, vomiting, loss of appetite, difficulty breathing, irregular heartbeat, hallucinations, lack of pain sensation, loss of coordination, visual disturbances, unconsciousness and death.

**LONG TERM EXPOSURE:** No information is available.

**SECTION 4****FIRST AID INFORMATION**

**THERAPEUTIC CLASS:** General anesthetic

**EYES:** Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

**SKIN:** Wash with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

**INHALATION:** If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

**INGESTION:** If swallowed, drink plenty of water, do NOT induce vomiting. Get immediate medical attention. Induce vomiting only at the instructions of a physician. Do not give anything by mouth to unconscious or convulsive person.

**NOTE TO PHYSICIAN:** For ingestion, consider gastric lavage.

**SECTION 5****FIRE AND EXPLOSION DATA**

**FLASH POINT AND METHOD:** Aqueous solution

**EXTINGUISHING MEDIUM:** Carbon dioxide, regular dry chemical, regular foam, water.

**SPECIAL FIRE PROCEDURES:** Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

**HAZARDOUS DECOMPOSITION OR COMBUSTION PRODUCTS:** Thermal decomposition products or combustion: oxides of carbon, oxides of nitrogen, hydrogen chloride.

**FIRE HAZARDS:** Slight

**EXPLOSION HAZARDS:** Slight

**SECTION 6****ACCIDENTAL RELEASE MEASURES****ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Stop leak if possible without personal risk. Small Spills: Collect spilled material in appropriate container for disposal.

**SECTION 7****HANDLING AND STORAGE**

**STORAGE:** Store and handle in accordance with all current regulations and standards. Store between 15°C and 30°C. Keep in the dark. See original container for storage recommendations. Keep separated from incompatible substances.

**SECTION 8****SPECIAL PROTECTION INFORMATION**

**VENTILATION:** Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

**EYE PROTECTION:** Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**CLOTHING:** Wear appropriate chemical resistant clothing.

**GLOVES:** Wear appropriate chemical resistant gloves.

**RESPIRATOR:** Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.

Any powered, air-purifying respirator with a full face piece and organic vapor and acid gas cartridge(s).

Any chemical cartridge respirator with a full face piece and organic vapor and acid gas cartridge(s).

**For Unknown Concentrations or Immediately Dangerous to Life or Health-**

Any supplied-air respirator with full face piece and operated in a pressure-demand or other positive -pressure mode in combination with a separate escape supply.

Any self-contained breathing apparatus with a full face piece.

**SECTION 9****PHYSICAL AND CHEMICAL DATA**

**PHYSICAL STATE:** Powder

**APPEARANCE:** White to off white powder

**CHARACTERISTIC ODOR:** NA

**SPECIFIC GRAVITY:** NA

**SOLUBILITY:**

**pH:** 10-11 (buffered) (1% Solution )

**WATER:** Soluble

**SECTION 10****STABILITY AND REACTIVITY**

**REACTIVITY:** Stable at normal conditions.

**CONDITIONS TO AVOID:** Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

**INCOMPATIBLES:** Oxidizing materials.

**POLYMERIZATION:** Will not polymerize.

**SECTION 11****TOXICOLOGY****TOXICITY INFORMATION:**

**ACUTE TOXICITY LEVEL:** Toxic: ingestion

**TARGET ORGANS:** Central nervous system

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Liver disorders, heart or cardiovascular disorders, respiratory disorders, high blood pressure, low blood pressure, blood system disorders.

**MUTAGENIC DATA:** Available

**REPRODUCTIVE EFFECTS DATA:** Available

**ADDITIONAL DATA:** Interactions with drugs may occur. Prolonged, continuous use may result in physical dependence or tolerance. May impair performance for tasks that require alertness. The toxicity and health effects are presumed to be essentially the same as the intravenous route of administration. This product may be administered by intravenous or intramuscular routes. May cause fetal harm.

**(Refer to package insert for further information)**

**SECTION 12****ECOLOGICAL INFORMATION**

Not available

**SECTION 13****DISPOSAL**

Dispose in accordance with all applicable local, state and federal regulations or the authority having jurisdiction.

**SECTION 14****TRANSPORTATION****SHIPPING REQUIREMENTS AND LIMITATIONS**

**PROPER SHIPPING NAME:** NA      **ID/UN NUMBER:** NA      **CONTAINER SPECIFICATION:** NA

**HAZARD CLASS:** NA      **LABEL:** NA      **PACKAGING GROUP:** NA

**SHIPPING LIMITATIONS:** NA      **MARKING:** NA      **OTHER COMMENTS:** NA

**U.S REGULATIONS:****CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):** Not regulated.**SARA TITLE III SECTIONS 302/304 EXTREMELY HAZARDOUS SUBSTANCES:** Not regulated.**SARA TITLE III SECTIONS 311/312 HAZARDOUS CATEGORIES:** Not regulated.

ACUTE: Yes

CHRONIC: No

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

**SARA TITLE II SECTION 313:** Not regulated.**OSHA PROCESS SAFETY:** Not regulated.**STATE REGULATIONS:****California Proposition 65:** Not regulated**NATIONAL INVENTORY STATUS:****U.S. INVENTORY (TSCA):** This product is exempt.**TSCA 12(b) EXPORT NOTIFICATION:** Not listed.**DEA:** Schedule IV

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**NA – NOT APLICABLE****ND – NO DATA FOUND**

The information provided in this Material Safety Data Sheet has been compiled from our experience and the data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise the Material Safety Data Sheets from time to time as new information becomes available. The user has the responsibility to contact the company to make sure the sheet is the latest one issued.