

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-71/71-68-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
71-68-1

**Code:**  
M

**RTECS:**  
QD2625000

**Code:**  
M

**Name:**  
DIHYDROMORPHINONE HYDROCHLORIDE \*95-1\*

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K

**Code:**  
M N/P

**ACGIHSTEL:**  
EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

**Code:**  
1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**  
ANY CHEMICAL CARTRIDGE RESPIRATOR W/ORGANIC VAPOR CARTRIDGE W/A DUST & MIST FILTER. ANY SCBA W/A FULL FACEPIECE OPERATED IN A PRESSURE-DEMAND/OTHER POSITIVE PRESSURE MODE.

**Ventilation:**  
LOCAL EXHAUST/GENERAL DILUTION SYSTEM 3

**Protective Gloves:**  
RECOMMENDED

**Eye Protection:**  
SPASH PROOF SAFETY GLASSES

**Other Protective Equipment:**  
Equipment NOT REQUIRED.

**Work Hygienic Practices:**  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
PH: 4.4-4.6. HEALTH HAZ CONT'D: REPEATED/PROLONGED INGESTION MAY CAUSE PULMONARY FUNCTION, INCREASED BODY TEMP, MYOGLOBINURIA & RENAL FAILURE. SYMPTOMS CONT'D: COMA, REFLEXES & MUSCLE TWITCHING, CONVULSIONS, IRREGULAR BREATHING, APNEA, CYANOSIS, FLUSHING OF THE SKIN/FACE, ARRHYTHMIAS, SHOCK, RASHES, CONSTIPATION.

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
NO

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INHALATION: IF SUFFICIENT QUANTITIES ARE ABSORBED, SYSTEMIC POISONING MAY OCCUR. INGESTION: MAY CAUSE ANOREXIA, INSOMNIA, IMPAIRED MENTAL & PHYSICAL PERFORMANCE. MAY CAUSE THE CNS DEPRESSION. POISONING MAY ALSO AFFECT THE RESPIRATORY, CARDIOVASCULAR & GASTROINTESTINAL SYSTEMS. (SEE SUPP)

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
DRY MOUTH/SLURRED SPEECH/HEADACHE/NAUSEA/VOMITING/DIZZINESS/DROWSINESS/WEAKNESS/DEPRESSED COUGH REFLEX/TREMORS/VISUAL DISTURBANCES/PRURITUS/SWEATING/SLIGHT DECREASE IN BODY TEMP/MOOD CHANGES/ANXIETY/AGITATION/EXCITEMENT/HALLUCINATIONS/INCREASED PAIN TOLERANCE/MUSCULAR RIGIDITY/STUPOR/SEDATION/UNCONSCIOUSNESS (SEE SUPP)

**Medical Cond Aggravated By Exposure:**  
PERSONS W/MYXEDEMA. 2

**First Aid:**  
INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. KEEP WARM/AT REST. TREAT SYMPTOMATICALLY/SUPPORTIVELY. SKIN: WASH W/SOAP/MILD DETERGENT & LARGE AMOUNTS OF WATER FOR 15-20 MINS. EYES: WASH W/LARGE AMOUNTS OF WATER/NORMAL SALINE FOR 15-20 MINS. INGESTION: TREAT SYMPTOMATICALLY/SUPPORTIVELY. IF VOMITING, KEEP HEAD LOWER THAN HIPS TO AVOID ASPIRATION. OBTAIN MEDICAL ATTENTION IN ALL CASES

**Spill Release Procedures:**  
SHUT OFF IGNITION SOURCES. S LEAK SAFELY W/OUT RISK. USE WATER SPRAY TO REDUCE VAPORS. SMALL: TAKE UP W/SAND/OTHER ABSORBENT & PLACE INTO CONTAINERS FOR LATER DISPOSAL. LARGE: DIKE FAR AHEAD. ISOLATE AREA & DENY ENTRY. KEEP UNNECESSARY PEOPLE AWAY

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
STORE AWAY FROM INCOMPATIBLE SUBSTANCES. AVOID CONTACT W/STRONG OXIDIZERS, EXCESSIVE HEAT, SPARKS/OPEN FLAME.

**Other Precautions:**  
AVOID PROLONGED/REPEATED CONTACT W/THIS SUBSTANCE. PREVENT EYE CONTACT.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
>213F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
DRY CHEMICAL, CO2, WATER SPRAY/REGULAR FOAM. LARGER FIRES: WATER SPRAY, FOG/REGULAR FOAM

**Fire Fighting Procedures:**  
MOVE CONTAINER FROM FIRE SAFELY W/OUT RISK. DON'T SCATTER MATERIAL W/HIGH PRESSURE WATER STREAMS. DIKE FOR LATER DISPOSAL. AVOID BREATHING VAPORS. KEEP UPWIND.

**Unusual Fire/Explosion Hazard:**  
SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT/FLAME.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/K

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH: (SUPP)**

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
N/K

**Appearance and Odor:**  
CLEAR SOLUTION

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
EXCESSIVE HEAT, SPARKS, OPEN FLAME &OTHER IGNITION SOURCES

**Materials To Avoid:**  
ACIDS, BASES, OXIDIZERS

**Hazardous Decomposition Products:**  
TOXIC/HAZARDOUS GASES

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K 4

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P