

# 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

**ACGIH STEL:**

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:**

SPLASH 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

**LD50/LC50/Mixture:**

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 Symptoms Of Overexposure:**

DRY MOUTH/SLURRED SPEECH/HEADACHE/NAUSEA/VOMITING/DIZZINESS/DROWSINESS/WEAKNESS/DEPRESSED COUGH REFLEX/SHAKING/VISUAL DISTURBANCES/PRURITUS/SWEATING/SLIGHT DECREASE IN BODY TEMP/MOOD CHANGES/ANXIETY/A GROWL/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, CO<sub>2</sub>, WATER SPRAY/REGULAR FOAM. LARGER FIRES: WATER SPRAY, FOG/REGULAR FOAM

**Fire Fighting Procedures:**

MOVE CONTAINER FROM FIRE SAFELY W/OUT RISK. DONT 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 Wt For Ammo:****Boiling Point:****B.P.:**

N/K

**Melt/Freeze Pt:****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

**Excessive Heat, Sparks, Open Flame & Other Ignition Sources:**

EXCESSIVE HEAT, SPARKS, OPEN FLAME & OTHER IGNITION SOURCES

**Materials Base Oxidizers:**

ACIDS, BASES, OXIDIZERS

**Hazardous Decomposition Products:**

TOXIC/HAZARDOUS GASES

**Hazardous Polymerization Indicator:**

NO

**Autoignition Temp:**

N/K

**Lower Limits:**

N/K

**Upper Limits:**

N/K

**Extinguishing Media:**

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## 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

**Other Information:**

N/P