

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-779/7791-20-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
7791-20-0

Code:
M

RTECS:
QR6480000

Code:
M

Name:
NICKELOUS CHLORIDE HEXAHYDRATE

Other REC Limits:
NOT ESTABLISHED

OSHA PEL:
0.1 MG/M3 (AS NI)

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
0.1 MG/M3 (AS NI)

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:
PROVIDE LOCAL EXHAUST VENTILATION OR GENERAL DILUTION VENTILATIO TO MEET PERMISSIBLE EXPOSURE LIMITS.

Protective Gloves:
RUBBER

Eye Protection:
CHEMICAL SAFETY GOGGLES AND FACESHIELD

Other Protective Equipment:
Equipment SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING.LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:
N/P

Health Hazards Data

LD50LC50Mixture:
ORAL(RAT) 105 MG/KG

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE:INHALATION:IRRITATION TO THE UPPER RESPIRATORY TRACT. SKIN:IRRITATION, SENSITIATION, NICKEL ITCH, ULCERS. EYE:IRRITATION. INGESTION:TOXIC, NAUSEA, VOMITING, DIARRHEA AND DEATH. CHRONIC:INHAL-PUL MONARY EDEMA,LUNG AND NASAL CARCINOMAS.SKIN-SENSITIZATION,DERMATITIS. EYE-CONJUNCTIVITIS. INGEST-HEART,KIDNEY,CNS DAMAGE

Explanation Of Carcinogenicity:
DATA PER MGF MSDS.

Signs And Symptions Of Overexposure:
CONTACT WITH NICKEL COMPOUNDS CAUSES "NICKEL ITCH", A FORM OF SENSITIZATION WITH ITCHING, BURNING, ECZEMA. INHAL. OF NICKEL SALTS IRRITATES THE RESPIRATORY TRACT, CAUSING PNEUMONITIS AND FEVER. INGEST ION CAUSES VOMITING AND COLLAPSE. OTHERSYMPTOMS ARE WATERY & BLOODY DIARRHEA, HEMOLYSIS, JAUNDICE, CONVULSIONS.

Medical Cond Aggravated By Exposure:
PERSONS WITH A HISTORY OF SKIN, HEART,LIVER, BLOOD AND KIDNEY DISEASES MAY BE AT INCREASED RISK.

First Aid:
INHALATION:REMOVE SUBJECT TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED, KEEP WARM AND GET MEDICAL HELP. EYE: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN: REMOVE CONT AMINAT CLOTHING AND SHOES. WASH WITH SOAP AND WATER. INGESTION:GIVE 2-4 GLASSES OF WATER AND INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

Spill Release Procedures:
SWEEP UP AND PLACE IN SUITABLE CONTAINERS FOR LATER DISPOSAL.

Neutralizing Agent:
N/R

Waste Disposal Methods:
CONSULT LOCAL AUTHORITIES;DISPOSAL MUST BE IN ACCORDAN WITH LOCAL,STATE AND FEDERAL REGULATIONS

Handling And Storage Precautions:
STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE. KEEP CONTAINERS CLOSED.

Other Precautions:
2 AVOID BREATHING DUST; AVOID CONTACT WITH EYES, SKIN, AND CLOTHING.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NON-COMBUSTIBLE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:
FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCB & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO CO NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:
NEGLEGIBLE FIRE HAZARD IN METALLIC FORM; POSSIBLE FIRE AND EXPLOSION HAZARD IN DUST FORM WHEN EXPOSED TO HEAT OR FLAME.

Physical/Chemical Properties

HCC:
T4

NRC/State LIC No:
NOT RELEVANT

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
SUBLIMES

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
3.6

VOC Pounds/Gallon:

PH: @4 SOL

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/R

Solubility in Water:
SOLUBLE

Appearance and Odor:
GREEN DELIQUESCENT CRYSTALS OR MONOCLINIC CRYSTALLINE POWDER

Percent Volatiles by Volume:
N/R

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
ABNORMAL TEMPERATURES AND FLAMES

Materials To Avoid:
POTASSIUM, FORMS SHOCK-SENSITIVE MIXTURE

Hazardous Decomposition Products:
MAY FORM TOXIC AND HIGHLY FLAMMABLE NICKEL CARBONYL UNDER THERMAL DECOMPOSITION.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE

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