

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

ACGIH STEL:

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 VENTILATION 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

LD50/LC50 Mixture:

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, SENSITIZATION, 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-CONDUCTIVITIS. INGEST-HEART,KIDNEY,CNS DAMAGE

Explanation Of Carcinogenicity:

DATA PER MGF MSDS.

Signs And Symptoms 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. INGESTION 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 ACCORDANCE 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:

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:

NEGLIGIBLE FIRE HAZARD IN METALLIC FORM; POSSIBLE FIRE AND EXPLOSION HAZARD IN DUST FORM WHEN EXPOSED TO HEAT OR FLAME.

Physical/Chemical Properties

T4:

T4

Not Relevant:

NOT RELEVANT

Net Prop WT For Ammo:

N/A

Boiling Point:**B.P. Text:**

SUBLIMES

Melt/Freeze Pt:**M.P./F.P. Text:**

N/K

Decomp Temp:

UNKNOWN

Vapor Pres:

N/K

Vapor Density:

N/K

Volatile Org Content %:

N/A

Spec Gravity:

3.6

VOC Pounds/Gallon:

N/A

PH: @4 SOL:

PH: @4 SOL

VOC Grams/Liter:

N/A

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

ABNORMAL TEMPERATURES AND FLAMES:

ANOMALY: LEVIERE AND FLAMES

Materials To Avoid:

POTASSIUM, FORMS SHOCK-SENSITIVE MIXTURE

Hazardous Decomposition Products:

POSSIBLE HAZARD: N/A FLAMMABLE NICKEL CARBONYL UNDER THERMAL DECOMPOSITION.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT APPLICABLE

Toxicological Information

Information:

N/P

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information

Other Information:

N/P

Information:

N/P