SDS

SAFETY DATA SHEET

Oakwood Products, Inc
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Estill, SC 29918
www.oakwoodchemical.com

Phone Numbers:

Product Information	803-739-8800
Transportation Emergency	800-451-8346
Outside the USA	760-602-8700

MATERIAL IDENTIFICATION

NAME: Nickel (II) trifluoroacetate tetrahydrate
CAS#: [151013-23-9]
CAT#: 005924
For R&D use only.

HAZARDS IDENTIFICATION

GHS Classification
Skin corrosion/irritation (Category 1C)
Serious eye damage/eye irritation (Category 1)

GHS Label elements, including precautionary statements

Pictograms

Signal Word Warning

Hazard Statement(s)

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

Precautionary Statement(s)

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352	IF ON SKIN: wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.

COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C4H8F6NiO8
Molecular Weight : 356.80

CAS	Description	Concentration
151013-23-9	Nickel (II) trifluoroacetate tetrahydrate	99%

FIRST AID MEASURES

In case of eye contact
Immediately flush eyes with running water for at least 15 minutes while keeping eyes open. Seek medical attention.

In case of skin contact
Wash thoroughly with soap and plenty of water. Seek medical attention.

If inhaled
Remove victim from source of exposure to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

If swallowed
Do not induce vomiting. Give water to victim to drink. Seek medical attention.

FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use carbon dioxide, dry chemical powder, alcohol-resistant or polymer foam.

Special protective equipment for fire-fighters
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosion hazards/decomposition of product
emits toxic fumes under fire conditions.

ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid breathing fumes, vapors, mists or gas. Ventilate area. Remove all sources of ignition. Evacuate personnel.

Environmental precautions
Prevent further leakage if safe to do so.

Methods and materials for containment and clean up
Absorb spills on sand or vermiculite and place in closed container for disposal.

HANDLING AND STORAGE

Precautions for safe handling
Avoid prolonged use. Avoid all direct contact with material. Do not breathe dust or vapor. Wash thoroughly after handling.

Possible carcinogen

Precautions for safe storage
Keep container tightly closed. Store in a cool, dry, well-ventilated area.

EXPOSURE CONTROL/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Eye/face protection
Wear protective safety goggles or face shields tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Hand/skin protection
Avoid all direct contact with product.
Wear chemical-resistant gloves.
Wear protective clothing and boots.
After contact with skin, wash immediately.

Respiratory protection
Ensure adequate ventilation during use. Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the exposure limits.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	light green solid
Odour	no data available
Odour Threshold	no data available
Melting point/Freezing Point	no data available
Boiling Point	no data available
Flash Point	no data available
Evaporation Rate	no data available
Flammability (solid, gas)	no data available
Upper/Lower Flammability or Explosive limits	no data available
Vapour pressure	no data available
Relative Density	no data available
Solubility(ies)	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Refractive Index	no data available

STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Incompatible materials
Strong oxidizing agents, strong acids, and strong bases.

Hazardous decomposition products
May evolve carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen fluoride.

TOXICOLOGICAL INFORMATION

Acute toxicity
Other information on acute toxicity
RTECS#: (FOR NICKEL)
QR5950000 QR6126100 QR7120000
Carcinogenicity:
Potential Carcenogen:
TOXIC
Toxic by ingestion and inhalation.
Material is irritating to mucous membranes and upper respiratory tract.
Exposure limits: (FOR NICKEL)
OEL:
Australia: TWA 1mg/m3
Belgium: TWA 1mg/m3
Czechoslovakia: TWA 0.05 mg/m3; STEL 0.25mg/m3
Denmark: TWA 0.05mg/m3
Finland: TWA 0.1mg/m3
France: TWA 1mg/m3
Germany: Carcinogen
Hungary: STEL 0.05mg/m3
Japan: TWA 1mg/m3
The Netherlands: TWA 0.1mg/m3
The Philippines: TWA 1mg/m3
Russia: STEL 0.05 mg/m3
Sweden: TWA 0.5 mg/m3
Switzerland: TWA 0.5 mg.m3
Thailand: TWA 1 mg/m3
United Kingdom: 0.5 mg/m3
In Bulgaria, Colombia, Jordan, Korea check ACGIH TLV
In New Zealand, Singapore, Vietnam check ACGIH TLV

Skin corrosion/irritation
Causes severe skin burns and eye damage

Serious eye damage/eye irritation
Causes serious eye damage

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
no data available

Reproductive toxicity
no data available

STOT-single exposure
no data available

STOT-repeated exposure
no data available

Aspiration hazard
no data available

Exposure Routes
Causes burns.
May have harmful effects if inhaled or swallowed.

To the best of our knowledge, the health hazards of this material have not been fully investigated.

ECOLOGICAL INFORMATION

Toxicity
no data available

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects
no data available

DISPOSAL CONSIDERATIONS

Dissolve in or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local laws.

TRANSPORT INFORMATION

DOT
Corrosive solids, n.o.s.
8
UN1759 III

IMDG
Corrosive solid, n.o.s.

8
UN1759 III
EMS-No: F-A, S-B
Marine Pollutant: No

IATA
Corrosive solid, n.o.s.
8
UN1759 III

REGULATORY INFORMATION

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

New Jersey Right to Know Components
This product may contain a chemical on the New Jersey Right to Know Components List.

	CAS
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California Prop. 65 Components
This product does not contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

OTHER INFORMATION

Version : 1.2

Revision Date : 5/17/2018

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Oakwood shall not be held liable for any damage resulting from handling or from contact with the above product.