# SAFETY DATA SHEET

Issuing Date 04-Sep-2012 Revision Date 01-Jun-2015 Revision Number 2



The supplier identified below generated this SDS using the UL SDS template. UL did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by the supplier or was reproduced from publically available regulatory data sources. UL makes no representations or warranties regarding the completeness or accuracy of the information in this SDS and disclaims all liability in connection with the use of this information or the substance described in this SDS. The layout, appearance and format of this SDS is © 2014 UL LLC. All rights reserved.

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier** 

Product Name NI-MH battery

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Nickel Metal Hydride (NiMH) Battery

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Shenzhen FBTech Co. Ltd

Supplier Address No.8-1, Tong Fuyu Industrial zoneKukeng, Guanlan town, Bao'an District

,Shenzhen,Guangdong,China

shenzhen guangdong 518000 CN

Supplier Phone Number Phone:+86075533693588

Contact Phone+86075533693588

Supplier Email kany77777@163.com

Emergency telephone number

# 2. HAZARDS IDENTIFICATION

# Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). This product is an article which is a sealed battery and as such does not require an MSDS per the OSHA hazard communication standard unless ruptured. The hazards indicated are for a ruptured battery.

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Gases)	Category 4

\_\_\_\_\_



Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 1A
Reproductive Toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 1

#### GHS Label elements, including precautionary statements

**Emergency Overview** 

Signal word

Danger

# **Hazard Statements**

Harmful if inhaled

Causes skin irritation

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause an allergic skin reaction

Suspected of causing genetic defects

May cause cancer

May damage fertility or the unborn child





This product is an article which contains a chemical substance. Safety information is given for exposure to the article as sold. Intended use of the product should not result in exposure to the chemical substance. This is a battery. In case of rupture: the above hazards exist.

Appearance Gray Physical s

Physical state Solid

**Odor** Odorless

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

In case of inadequate ventilation wear respiratory protection

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Do not breathe dust/fume/gas/mist/vapors/spray

# **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

Specific treatment (see supplemental first aid instructions on this label)

# Skin

IF ON SKIN: Wash with plenty of soap and water

Take off contaminated clothing and wash before reuse

If skin irritation or rash occurs: Get medical advice/attention

\_\_\_\_\_



#### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

#### Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth

# **Precautionary Statements - Storage**

Store locked up

# **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

# Hazards not otherwise classified (HNOC)

Not applicable

# **Unknown Toxicity**

35.3% of the mixture consists of ingredient(s) of unknown toxicity

#### **Other information**

Very toxic to aquatic life with long lasting effects

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

## **Interactions with Other Chemicals**

Use of alcoholic beverages may enhance toxic effects.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

.

Chemical Name	CAS No	Weight-%	Trade Secret
Nickel hydroxide	12054-48-7	10 - 30	*
Iron	7439-89-6	10 - 30	*
Nickel	7440-02-0	5 - 10	*
Manganese	7439-96-5	1 - 5	*
Cobalt oxide	11104-61-3	1 - 5	*
Zinc	7440-66-6	1 - 5	*

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret

# 4. FIRST AID MEASURES

# First aid measures

General Advice Show this safety data sheet to the doctor in attendance. This is a battery. In case

of rupture:.

**Eye contact**Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and

easy to do. Continue rinsing. Get medical attention if irritation develops and

persists.

Revision Date 01-Jun-2015 1181298 - NI-MH battery

Skin contact Wash off immediately with soap and plenty of water for at least 15 minutes. May

cause an allergic skin reaction. In the case of skin irritation or allergic reactions

see a physician.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur. May

> cause allergic respiratory reaction. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use

barrier to give mouth-to-mouth resuscitation.

Ingestion Rinse mouth immediately and drink plenty of water. Never give anything by mouth

> to an unconscious person. Do NOT induce vomiting. May produce an allergic reaction. If an allergic reaction occurs, stop use and seek medical help right away.

Call a physician or poison control center immediately.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Use personal protective equipment as

required. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin.

Use barrier to give mouth-to-mouth resuscitation.

# Most important symptoms and effects, both acute and delayed

**Effects** 

Most Important Symptoms and Coughing and/ or wheezing. Difficulty in breathing. Itching. Rashes. Hives. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Indication of any immediate medical attention and special treatment needed

**Notes to Physician** May cause sensitization of susceptible persons. Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

# Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

#### Specific hazards arising from the chemical

Product is or contains a sensitizer. May cause sensitization by skin contact. May cause sensitization by inhalation and skin contact.

**Explosion Data** 

**Sensitivity to Mechanical Impact** None.

Sensitivity to Static Discharge None.

# Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# 6. ACCIDENTAL RELEASE MEASURES

# Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal

protective equipment as required. Avoid generation of dust. Do not breathe dust. Evacuate

personnel to safe areas. Keep people away from and upwind of spill/leak.

Other Information Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions** 

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

# 7. HANDLING AND STORAGE

## Precautions for safe handling

Handling In case of rupture. Handle in accordance with good industrial hygiene and safety practice.

Use personal protection equipment. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of

children. Bund storage facilities to prevent soil and water pollution in the event of spillage. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and

well-ventilated place. Store locked up.

**Incompatible Products** Strong acids. Strong oxidizing agents. Strong bases.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Control parameters**

## **Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Nickel hydroxide	TWA: 0.2 mg/m <sup>3</sup> Ni inhalable	TWA: 1 mg/m³ Ni	IDLH: 10 mg/m <sup>3</sup> Ni
12054-48-7	fraction	(vacated) TWA: 1 mg/m <sup>3</sup> Ni	TWA: 0.015 mg/m³ except Nickel
			carbonyl Ni
Nickel	TWA: 1.5 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup>
7440-02-0		(vacated) TWA: 1 mg/m <sup>3</sup>	TWA: 0.015 mg/m <sup>3</sup>
Manganese	TWA: 0.02 mg/m³ respirable	(vacated) TWA: 1 mg/m³ fume	IDLH: 500 mg/m <sup>3</sup>
7439-96-5	fraction	(vacated) STEL: 3 mg/m³ fume	TWA: 1 mg/m <sup>3</sup> fume
	TWA: 0.1 mg/m <sup>3</sup> inhalable	(vacated) Ceiling: 5 mg/m <sup>3</sup>	STEL: 3 mg/m <sup>3</sup>
	fraction TWA: 0.02 mg/m <sup>3</sup> Mn	Ceiling: 5 mg/m³ fume Ceiling: 5	
	TWA: 0.1 mg/m³ Mn	mg/m³ Mn	



Revision Date 01-Jun-2015 1181298 - NI-MH battery

Cobalt oxide 11104-61-3	TWA: 0.02 mg/m³ Co	-	
Zinc 7440-66-6	STEL: 10 mg/m³ respirable fraction	TWA: 5 mg/m³ fume TWA: 15 mg/m³ total dust	IDLH: 500 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup> dust
	TWA: 2 mg/m³ respirable fraction	TWA: 5 mg/m³ respirable fraction	TWA: 5 mg/m³ dust and fume STEL: 10 mg/m³ fume

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 Other Exposure Guidelines

(11th Cir., 1992) See section 15 for national exposure control parameters

#### Appropriate engineering controls

Showers **Engineering Measures** 

> **Evewash stations** Ventilation systems

# Individual protection measures, such as personal protective equipment

Face protection shield. Eye/face protection

Skin and body protection Protective gloves. Wear protective gloves and protective clothing. Long sleeved clothing.

Impervious gloves.

No protective equipment is needed under normal use conditions. If exposure limits are Respiratory protection

exceeded or irritation is experienced, ventilation and evacuation may be required.

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and **Hygiene Measures** 

clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Do not breathe dust. Take off contaminated clothing and wash

before reuse.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

#### **Physical and Chemical Properties**

Physical state Appearance Color	Solid Gray No information available	Odor Odor Threshold	Odorless No information available
Property	Values_	Remarks Method	
pH	No data available	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	

No data available Flash Point None known No data available None known **Evaporation Rate** Flammability (solid, gas) No data available None known Flammability Limit in Air Upper flammability limit No data available Lower flammability limit No data available No data available Vapor pressure None known Vapor density No data available None known No data available None known **Specific Gravity** 

Soluble in water None known Water Solubility Solubility in other solvents No data available None known Partition coefficient: n-octanol/waterNo data available None known



Autoignition temperatureNo data availableNone knownDecomposition temperatureNo data availableNone knownKinematic viscosityNo data availableNone knownDynamic viscosityNo data availableNone knownExplosive propertiesNo data available

No data available

**Other Information** 

**Oxidizing properties** 

Softening PointNo data availableVOC Content (%)No data availableParticle SizeNo data available

**Particle Size Distribution** 

# 10. STABILITY AND REACTIVITY

# Reactivity

No data available.

# **Chemical stability**

Stable under recommended storage conditions.

#### **Possibility of Hazardous Reactions**

None under normal processing.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

#### Conditions to avoid

Excessive heat.

#### Incompatible materials

Strong acids. Strong oxidizing agents. Strong bases.

## **Hazardous Decomposition Products**

Carbon oxides.

# 11. TOXICOLOGICAL INFORMATION

# Information on likely routes of exposure

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

In case of rupture:.

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract. Harmful by inhalation. (based on components). May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause sensitization of susceptible

persons.

**Eye contact** Specific test data for the substance or mixture is not available. Irritating to eyes. (based on

components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. Causes skin irritation. (based

on components). Repeated or prolonged skin contact may cause allergic reactions with

susceptible persons.

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause

irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components). May cause additional

affects as listed under "Inhalation".

## **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Nickel hydroxide 12054-48-7	-	-	= 1200 mg/m³ (Rat) 4 h
Iron 7439-89-6	= 984 mg/kg (Rat)	-	-
Nickel 7440-02-0	> 9000 mg/kg ( Rat )	-	-

#### Information on toxicological effects

Symptoms Erythema (skin redness). May cause redness and tearing of the eyes. Coughing and/ or

wheezing. Itching. Rashes. Hives. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest

pain, muscle pain, or flushing.

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** May cause sensitization of susceptible persons. May cause sensitization by skin contact.

May cause sensitization by inhalation.

**Mutagenic Effects**There is no data available for this product. Contains a known or suspected mutagen.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Nickel hydroxide 12054-48-7	A1	Group 1	Known	Х
Nickel 7440-02-0		Group 2B	Reasonably Anticipated	Х
Cobalt oxide 11104-61-3	A3	Group 2B		Х

ACGIH (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen

A3 - Animal Carcinogen

NTP (National Toxicology Program)

Known - Known Carcinogen

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

**Reproductive toxicity**Contains a known or suspected reproductive toxin.

**STOT - single exposure** No information available.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure. Based on

classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from

chronic or repeated exposure. (STOT RE).

Chronic Toxicity Prolonged exposure may cause chronic effects. Repeated contact may cause allergic

reactions in very susceptible persons. Contains a known or suspected mutagen. Possible risk of irreversible effects. Contains a known or suspected carcinogen. Contains a known or suspected reproductive toxin. Avoid repeated exposure. May cause adverse effects on the

bone marrow and blood-forming system.

Target Organ Effects Blood. Central Nervous System (CNS). Kidney. Lungs. Nasal cavities. Respiratory system.

Skin. Eyes. May affect the genetic material in germ cells (sperm and eggs). Gastrointestinal

tract (GI). Reproductive System.

**Aspiration Hazard** No information available.

# Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
776.00 mg/kg
ATEmix (inhalation-gas)
10,040.00 ppm (4 hr)
ATEmix (inhalation-dust/mist)
2.68 mg/l
ATEmix (inhalation-vapor)
24.54 ATEmix

# 12. ECOLOGICAL INFORMATION

# **Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Iron 7439-89-6		96h LC50: = 13.6 mg/L (Morone saxatilis)		
Nickel 7440-02-0	72h EC50: = 0.18 mg/L (Pseudokirchneriella subcapitata) 96h EC50: 0.174 - 0.311 mg/L (Pseudokirchneriella subcapitata)	96h LC50: > 100 mg/L (Brachydanio rerio) 96h LC50: = 1.3 mg/L (Cyprinus carpio) 96h LC50: = 10.4 mg/L (Cyprinus carpio)		48h EC50: > 100 mg/L 48h EC50: = 1 mg/L
Zinc 7440-66-6	96h EC50: 0.11 - 0.271 mg/L (Pseudokirchneriella subcapitata) 72h EC50: 0.09 - 0.125 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 2.16 - 3.05 mg/L (Pimephales promelas) 96h LC50: 0.211 - 0.269 mg/L (Pimephales promelas) 96h LC50: = 2.66 mg/L (Pimephales promelas) 96h LC50: = 30 mg/L (Cyprinus carpio) 96h LC50: = 0.45 mg/L (Cyprinus carpio) 96h LC50: = 7.8 mg/L (Cyprinus carpio) 96h LC50: = 3.5 mg/L (Lepomis macrochirus) 96h LC50: = 0.24 mg/L (Oncorhynchus mykiss) 96h LC50: = 0.59 mg/L (Oncorhynchus mykiss) 96h LC50: = 0.41 mg/L (Oncorhynchus mykiss)		48h EC50: 0.139 - 0.908 mg/L

# Persistence and Degradability

No information available.

# **Bioaccumulation**

No information available

# Other adverse effects

No information available.



Page 9/12

# 13. DISPOSAL CONSIDERATIONS

# Waste treatment methods

Disposal methods This material, as supplied, is not a hazardous waste according to Federal regulations (40

CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local

regulations for additional requirements.

**Contaminated Packaging** Do not reuse empty containers.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Nickel hydroxide 12054-48-7	(hazardous constituent - no waste number)			
Nickel 7440-02-0	(hazardous constituent - no waste number)	Included in waste streams: F006, F039		

# California Hazardous Waste Codes 181

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Nickel 7440-02-0	Toxic powder Ignitable powder
Manganese 7439-96-5	Ignitable powder
Cobalt oxide 11104-61-3	Toxic
Zinc 7440-66-6	Ignitable powder Toxic

# 14. TRANSPORT INFORMATION

DOTNOT REGULATEDProper Shipping NameNON REGULATED

Hazard Class N/A

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

Proper Shipping Name NON REGULATED

Hazard Class N/A

IMDG/IMO Not regulated

Hazard Class N/A

RID Not regulated

ADR Not regulated

ADN Not regulated



# 15. REGULATORY INFORMATION

# **International Inventories**

TSCA Complies

DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

# **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Nickel hydroxide - 12054-48-7	12054-48-7	10 - 30	0.1
Nickel - 7440-02-0	7440-02-0	5 - 10	0.1
Manganese - 7439-96-5	7439-96-5	1 - 5	1.0
Cobalt oxide - 11104-61-3	11104-61-3	1 - 5	0.1
Zinc - 7440-66-6	7440-66-6	1 - 5	1.0

# SARA 311/312 Hazard Categories

Acute Health Hazard

Chronic Health Hazard

No
Fire Hazard

No
Sudden release of pressure hazard

No
Reactive Hazard

No

#### **CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Nickel hydroxide 12054-48-7		X		Х
Nickel 7440-02-0		Х	Х	
Zinc 7440-66-6		Х	X	

# CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	<b>Extremely Hazardous Substances</b>	RQ
		RQs	
Nickel hydroxide 12054-48-7	10 lb		RQ 10 lb final RQ RQ 4.54 kg final RQ
Nickel 7440-02-0	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Zinc 7440-66-6	1000 lb		RQ 454 kg final RQ RQ 1000 lb final RQ

# **US State Regulations**

# **California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65



Nickel hydroxide - 12054-48-7	Carcinogen
Nickel - 7440-02-0	Carcinogen

# U.S. State Right-to-Know Regulations

.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Nickel hydroxide 12054-48-7	Χ	X	X	Х	Х
Nickel 7440-02-0	Χ	Х	X	Х	Х
Manganese 7439-96-5	Х	Х	X	Х	Х
Cobalt oxide 11104-61-3			X	Х	Х
Zinc 7440-66-6	Х	Х	X	Х	

# International Regulations

#### **Mexico**

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Nickel hydroxide		Mexico: TWA= 0.1 mg/m <sup>3</sup>
12054-48-7 ( 10 - 30 )		Mexico: STEL= 0.3 mg/m <sup>3</sup>
Nickel		Mexico: TWA 1 mg/m <sup>3</sup>
7440-02-0 ( 5 - 10 )		-
Manganese		Mexico: TWA 0.2 mg/m <sup>3</sup>
7439-96-5 (1 - 5)		Mexico: TWA 1 mg/m <sup>3</sup>
		Mexico: STEL 3 mg/m <sup>3</sup>

Mexico - Occupational Exposure Limits - Carcinogens

# Canada

# **WHMIS Hazard Class**

Not determined

# 16. OTHER INFORMATION

NFPA Health Hazards 1 Flammability 0 Instability 0 Physical and Chemical Hazards HMIS Health Hazards 0 Flammability 0 Physical Hazard 0 Personal Protection

**Prepared By**Product Stewardship
23 British American Blvd.

23 British American Blvd. Latham, NY 12110 1-800-572-6501

Issuing Date04-Sep-2012Revision Date01-Jun-2015

Revision Note No information available

# **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# **End of Safety Data Sheet**

