

SAFETY DATA SHEET

SDS 0147

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

	HMIS CODES
PRODUCT NAME	Health 1
Nickel-Rich	Flammability 1
	Reactivity 0
PRODUCT CODES	PPI B
73851, 73831, 73871	
CHEMICAL FAMILY	
Organic	
USE	
Lubricant	
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
The RectorSeal Corporation	Chemtrec 24 Hours
2601 Spenwick Drive	(800)424-9300 USA
Houston, Texas 77055 USA	(703)527-3887 International
DATE OF VALIDATION	TECHNICAL SERVICE TELEPHONE NO.
January 23, 2015	(800)231-3345 or (713)263-8001
DATE OF PREPARATION	
November 7, 2012	

Section 2 -- HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS: None

HEALTH HAZARDS

Acute Toxicity:

Oral: Not Classified

Dermal: Not Classified

Inhalation: Not Classified

Skin Corrosion/Irritation: Not Classified

Serious Eye Damage/Eye Irritation: Not Classified

Respiratory or Skin Sensitization: Not Classified

Germ Cell Mutagenicity: Not Classified

Carcinogenicity: Not Classified

Reproductive Toxicology: Not Classified

Target Organ Systemic Toxicity - Single Exposure: Not Classified

Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

ENVIRONMENTAL HAZARDS

Hazardous to the Aquatic Environment: Not Classified

Acute aquatic toxicity: Not Classified

Chronic aquatic toxicity: Not Classified

Bioaccumulation potential: Not Classified

Rapid degradability: Not Classified

GHS Label elements, including precautionary statements

Pictogram: None

Signal Word: None

Hazard Statements: None

Precautionary Statements:

P102 - Keep out of reach of children.  
P264 - Wash hands thoroughly after handling.

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SUMMARY OF ACUTE HAZARDS

Repeated contact may cause skin irritation.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

None

EYE CONTACT

Irritation, blurred vision.

SKIN CONTACT

Irritation, dermatitis, defatting.

INGESTION

Gastro-intestinal irritation, nausea, vomiting and diarrhea.

SUMMARY OF CHRONIC HAZARDS

Prolonged skin contact may result in irritation and absorption.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None known.

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Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Nickel

PERCENTAGE BY WEIGHT: 30

CAS#: 7440-02-0

EC#: 231-111-4

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Section 4 -- FIRST AID MEASURES

If INHALED: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

If on SKIN: Immediately flush with large amounts of water.

If in EYES: Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.

If SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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Section 5 -- FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

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Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use absorbent materials to prevent footing hazard and to contain. Avoid flushing into sewers, drains, waterways, and soil. Wear protective during cleanup.

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Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep away from heat, sparks

and open flames.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing.

Empty containers may contain residues and vapors; treat as if full and observe

all product precautions. Do not reuse empty containers. KEEP OUT OF REACH OF CHILDREN.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

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INGREDIENT	UNITS
Nickel	
ACGIH TLV	1 mg/m3
OSHA PEL	0.1 mg/m3

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RESPIRATORY PROTECTION (SPECIFY TYPE): None required.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: N/A

MECHANICAL (GENERAL): Preferable

OTHER: N/A

PROTECTIVE GLOVES: Wear rubber gloves.

EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT:	N/D
SPECIFIC GRAVITY (H2O = 1):	1.10
VAPOR PRESSURE (mm Hg):	0.01 @ 68 F (20 C)
MELTING POINT:	N/A
VAPOR DENSITY (AIR = 1):	<1
EVAPORATION RATE (ETHYL ACETATE = 1):	<1
APPEARANCE/ODOR:	Silver / Petroleum Odor
SOLUBILITY IN WATER:	Insoluble
FLASH POINT	430 F (221 C) SETA CC
LOWER EXPLOSION LIMIT	N/D
UPPER EXPLOSION LIMIT	N/D
VOLATILE ORGANIC COMPOUNDS (VOC) Content (Theoretical Percentage By Weight):	0% or (0 g/L)

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Section 10 -- STABILITY AND REACTIVITY

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STABILITY: Stable

CONDITIONS TO AVOID: Heat, sparks, open flames.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers, acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2, fragmented hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

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Section 11 -- TOXICOLOGY INFORMATION

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TOXICOLOGY DATA

Ingredient Name

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Nickel

Oral-Rat LDLo:5 g/kg  
Inhalation-Rat LC50:N/D

ADDITIONAL TOX INFORMATION: The National Toxicology Program has listed nickel and nickel oxide as possible cancer hazards. The International Agency for Research on Cancer concluded there was sufficient evidence that nickel refining was carcinogenic to humans and limited evidence that nickel and certain nickel compounds were carcinogenic to humans. IARC could not state with certainty which forms of nickel are carcinogens, but said "...metallic nickel seems less likely to be so than nickel subsulphide or nickel oxides." The inhalation of nickel oxide, even at high concentrations, and of nickel powder has not resulted in an increase incidence of malignant tumors in rodents. Studies of workers exposed to nickel powder and to dust and fumes generated in the production of nickel alloys and of stainless steel have not indicated a respiratory cancer hazard. Inhalation of airborne nickel powder at concentrations fifteen times the PEL irritated the respiratory tract in rodents. Inhalation of nickel oxide impaired long-term lung clearance in rats and, at concentrations fifty times the PEL, produced pneumoconiosis in hamsters.

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Section 12 -- Ecological Information  
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ECOLOGICAL DATA  
Ingredient Name  
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Nickel  
Food Chain Concentration Potential: N/D  
WATERFOWL TOXICITY: N/D  
BOD: N/D  
AQUATIC TOXICITY: N/D  
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Section 13 -- DISPOSAL CONSIDERATIONS  
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Waste Classification: Non-regulated waste oil. Dispose of in accordance with all local, state and federal regulations.  
Disposal Method: Used oil recycler  
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Section 14 -- TRANSPORTATION INFORMATION  
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DOT: Non-regulated  
OCEAN (IMDG): Non-regulated  
AIR (IATA): Non-regulated  
WHMIS (CANADA): Non-regulated  
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Section 15 -- REGULATORY INFORMATION  
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REGULATORY DATA  
Ingredient Name  
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Nickel  
SARA 313 Yes  
TSCA Inventory Yes  
CERCLA RQ 100 lb.  
RCRA Code N/A

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Section 16 -- OTHER INFORMATION

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