

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

<b>COMPANY NAME:</b>	AMERICAN INDUSTRIES, INC.	<b>PRODUCT NAME:</b>	NIK-PRO
<b>ADDRESS LINE 1:</b>	4300 Kahn Drive, Box 1405	<b>PRODUCT CODE:</b>	1696
<b>ADDRESS LINE 2:</b>	Lumberton, NC 28359-1405 USA	<b>PRODUCT USE:</b>	Nickel & Graphite Anti-Seize
<b>TELEPHONE NUMBERS:</b>	800-753-5153 (or) 910-738-7224	<b>SDS FILE ID:</b>	1696.01
<b>EMERGENCY PHONE:</b>	<b>CHEMTREC 1-800-424-9300</b>	<b>SDS DATE:</b>	2016-09-30

## SECTION 2: HAZARDS IDENTIFICATION

OSHA/HCS status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Classification: Skin sensitization-Category 1  
Specific target organ toxicity (repeated exposure)-Category 1



Label elements:

Signal word Danger

Hazard statements May cause an allergic skin reaction. Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

Prevention	Wear protective gloves. Do not breathe dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
Response	Get medical attention if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.
Storage	Not applicable
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified None Known

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Mixture	
<b>Ingredient Name</b>	<b>CAS #</b>	<b>%</b>
Nickel	7440-02-0	10-30

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in Section 8.**

## SECTION 4: FIRST AID MEASURES

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact	Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention following exposure or if feeling unwell.
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person.  If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband
<b>Potential acute health effects</b>	
Eye contact	No known significant effects or critical hazards
Inhalation	No known significant effects or critical hazards
Skin Contact	May cause an allergic skin reaction
Ingestion	No known significant effects or critical hazards
<b>Over-exposure signs/symptoms</b>	
Eye Contact	No known significant effects or critical hazards
Inhalation	No known significant effects or critical hazards
Skin Contact	Adverse symptoms may include the following: irritation, redness
Ingestion	No known significant effects or critical hazards
Indication of immediate medical attention and special treatment needed, if necessary	
Notes to physician	Treat symptomatically
Specific treatments	No specific treatment
Protection of first-aiders	No special protection is required

**See toxicological information (Section 11)**

**SECTION 5: FIRE-FIGHTING MEASURES**

Suitable extinguishing media	Use dry chemical, carbon dioxide, water spray (fog) or foam
Unsuitable extinguishing media	None known
Specific hazards arising from the chemical	Water spray or fog, foam, dry chemical, CO2
Protective equipment and precautions for firefighters	No specific fire or explosion hazard
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide, carbon, monoxide, metal, oxide/oxides
Special protective actions for fire-fighters	No special measures are required.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment and cleaning up	
Small spill	Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Ensure all equipment is electrically grounded before beginning transfer operations.
Protective measures	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	
<b>Ingredient name</b>	<b>Exposure limits</b>
Nickel	<b>ACGIH TLV (United States, 3/2012).</b> TWA: 1.5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction
	<b>NIOSH REL (United States, 1/2013).</b> TWA: 0.015 mg/m <sup>3</sup> , (as Ni) 10 hours.
	<b>OSHA PEL (United States, 6/2010).</b> TWA: 1 mg/m <sup>3</sup> , (as Ni) 8 hours.
Appropriate engineering controls	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limit
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation
Hygiene measures	Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reuse.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary

Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Semi-solid
Color	Silver. [Dark]
Odor	Petroleum
Odor Threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	Not available
Flash point	Open cup: 218.33°C (425°F) [Cleveland]
Burning Time	Not available
Burning rate	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower and upper explosive (flammable) limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1.18 g/ml
Solubility	Insoluble in water
Partition coefficient" n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
SADT	Not available
Viscosity	Not available

## SECTION 10: STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Do not heat above flash point.
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Nickel	LD50 Oral	Rat	>9000 mg/kg	-
Irritation/Corrosion	There is no data available			
Sensitization	There is no data available			

Mutagenicity	There is no data available
Carcinogenicity	There is no data available
Reproductive toxicity	There is no data available
Teratogenicity	There is no data available
Specific target organ toxicity (single exposure)	There is no data available
Specific target organ toxicity (repeated exposure)	

Name	Category	Route of Exposure	Target Organs
Nickel	Category 1	Not determined	Not determined
Aspiration hazard		There is no data available	
Information on the likely routes of exposure		Dermal contact. Eye contact. Inhalation. Ingestion.	
Potential acute health effects		Eye contact	No known significant effects or critical hazards
		Inhalation	No known significant effects or critical hazards
		Skin contact	No known significant effects or critical hazards
		Ingestion	No known significant effects or critical hazards
Symptoms related to the physical, chemical and toxicological characteristics		Eye contact	No known significant effects or critical hazards
		Inhalation	No known significant effects or critical hazards
		Skin contact	Adverse symptoms may include the following: Irritation redness
		Ingestion	No known significant effects or critical hazards
Delayed and immediate effects and also chronic effects from short and long term exposure		Short term exposure potential immediate effects	No known significant effects or critical hazards
		Short term exposure potential delayed effects	No known significant effects or critical hazards
		Long term exposure potential immediate effects	No known significant effects or critical hazards
		Long term exposure potential delayed effects	No known significant effects or critical hazards
Potential chronic health effects		General	Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
		Carcinogenicity	No known significant effects or critical hazards
		Mutagenicity	No known significant effects or critical hazards
		Teratogenicity	No known significant effects or critical hazards
		Developmental effects	No known significant effects or critical hazards
		Fertility effect	No known significant effects or critical hazards
Numerical measures of toxicity-Acute toxicity estimates			
<b>Route</b>		<b>ATE value</b>	
Oral		121538.5 mg/kg	

## SECTION 12: ECOLOGICAL INFORMATION

Product/ingredient name	Result	Species	Exposure
Nickel	Acute EC50 2 ppm Marine water	Algae - Macrocystis pyrifera -	4 days
	Acute EC50 450 µg/l Fresh water	Young Aquatic plants - Lemna	4 days
	Acute EC50 1000 µg/l Marine water	minor	48 hours
	Acute LC50 2.3 ppm Fresh water	Daphnia - Daphnia magna	96 hours

Chronic NOEC 100 mg/L Marine water	Fish - Cyprinus carpio - Juvenile (Fledgling, Hatchling, Weanling)	72 hours
Chronic NOEC 3.5 µg/l Fresh water	Algae - Glenodinium halli Fish - Cyprinus carpio	4 weeks

Persistence and degradability	There is no data available
Bioaccumulative potential	There is no data available
Mobility in soil-Soil/water partition coefficient (Koc)	Not available
Other adverse effects	No known significant effects or critical hazards.

### SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers
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### SECTION 14: TRANSPORT INFORMATION

DOT	Not regulated.
Environmental hazards	No
Special precautions for user	<b>Transport within user's premises:</b> always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available

### SECTION 15: REGULATORY INFORMATION

US Federal regulations	<b>TSCA 8(a) CDR Exempt/Partial exemption:</b> Not determined <b>United States inventory (TSCA 8b):</b> All components are listed or exempted. <b>Clean Water Act (CWA) 307:</b> Nickel			
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	Listed			
Clean Air Act Section 602 Class I Substances	Not listed			
Clean Air Act Section 602 Class II Substances	No listed			
DEA List I Chemicals (Precursor Chemicals)	Not listed			
DEA :List II Chemicals (Essential Chemicals)	Not listed			
Sara 302/204 Composition/information on ingredients	No products were found			
SARA 304 RQ	Not applicable			
SARA 311/312 Classification	Immediate (acute) health hazard Delayed (chronic) health hazard			

Composition/Information on ingredients			Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Name	%	Fire hazard				
Nickel	10-30	No	No	No	Yes	Yes

SARA 313

	Product name	CAS number	%
Form R Reporting requirements	Nickel	74440-02-0	10-30
	Aluminum	7429-90-5	1-5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State Regulations

Massachusetts	The following components are listed: Graphite, natural; Nickel; Aluminum
New York	The following components are listed: Nickel
New Jersey	The following components are listed: Graphite, natural; Nickel; Aluminum
Pennsylvania	The following components are listed: Graphite, natural; Nickel; Aluminum

California Prop 65

Warning: This product contains a chemical known to the State of California to cause cancer

Ingredient Name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Nickel	Yes	No	No	No

International regulations

**Australia inventory (AICS):** All components are listed or exempted.  
**China inventory (IECSC):** All components are listed or exempted.  
**Korea inventory:** All components are listed or exempted.  
**New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.  
**Philippines inventory (PICCS):** All components are listed or exempted,

Chemical Weapons Convention List Schedule I Chemicals	Not listed
Chemical Weapons Convention List Schedule II Chemicals	Not listed
Chemical Weapons Convention List Schedule III Chemicals	Not listed

**SECTION 16: OTHER INFORMATION**

Hazardous Materials Identification System (HMIS)

HMIS-RATING:	
HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

**Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.**

**The customer is responsible for determining the PPE code for this material.**

**Important Note:** *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

\*\*\*End of SDS\*\*\*