

## NK 2600

MSDS Number: L2600H

Revision Date: 5/12/2015

Page 1 of 7

## 1 PRODUCT AND COMPANY IDENTIFICATION

## Manufacturer

Wechem, Inc  
5734 Susitna Dr  
Harahan, LA 70123

**Contact:** Ligia M. Hernandez  
**Phone:** 504-733-1152  
**Fax:** 504-733-2218  
**Web:** [www.wechem.com](http://www.wechem.com)

**Product Name:** NK 2600  
**Revision Date:** 5/12/2015  
**MSDS Number:** L2600H  
**Product Code:** L2600  
**Product Use:** Nickel Anti-Seize

Emergency Telephone Number:  
INFOTRAC  
1-800-535-5053

## HAZARDS IDENTIFICATION
















































**Route of Entry:** Ingestion, eye, inhalation, skin absorption

**Inhalation:** May cause irritation to the respiratory tract. Inhalation of dusts at levels above recommended exposure limits may cause a metallic or sweet taste.

**Skin Contact:** Prolonged contact may cause irritation.

**Eye Contact:** Prolonged or repeated contact may cause mechanical irritation, tearing, and redness. May result in corneal injury.

**Ingestion:** No hazard expected in normal industrial use. May be harmful if swallowed. May cause gastrointestinal Irritation with nausea, vomiting and diarrhea.

PERSONAL PROTECTION INDEX													
A					G	 +  + 							
B	 + 				H	 +  +  + 							
C	 +  + 				I	 +  + 							
D	 +  + 				J	 +  +  + 							
E	 +  +  + 				K	 +  +  + 							
F	 +  +  + 				X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions							
A		n		o		p		q		r		s	
t		u		w		y		z		Additional Information			

**NK 2600**

MSDS Number: L2600H

Revision Date: 5/12/2015

Page 2 of 7

GHS Signal Word:

**DANGER**

GHS Hazard Pictograms:



GHS Classifications:

Health, Acute toxicity, 5 Oral  
Health, Skin corrosion/irritation, 3  
Health, Respiratory or skin sensitization, 1 Skin  
Health, Serious Eye Damage/Eye Irritation, 2 A  
Health, Specific target organ toxicity - Single exposure, 3  
Health, Carcinogenicity, 1  
Health, Specific target organ toxicity - Repeated exposure, 1

GHS Phrases:

H303 - May be harmful if swallowed  
H316 - Causes mild skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H350 - May cause cancer  
H372 - Causes damage to organs through prolonged or repeated exposure

GHS Precautionary Statements:

P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P314 - Get Medical advice/attention if you feel unwell.  
P308+313 - IF exposed or concerned: Get medical advice/attention.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

P337 - If eye irritation persists: Get medical advice/attention.  
P321 - Specific treatment (see Section 4 reference to supplemental first aid instruction- if immediate measures are required.)  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Preexisting pulmonary and dermatological disorders may be aggravated by exposure to hazardous components. Repeated or prolonged inhalation of graphite or carbon dusts may cause pulmonary fibrosis, emphysema, and pneumoconiosis. The severity of these effects is greatly influenced by the presence of other harmful mineral dusts, most notably crystalline silica. This product contains encapsulated nickel powder and encapsulated silica. No exposure to free, respirable nickel or free, respirable silica is anticipated during

## NK 2600

MSDS Number: L2600H

Revision Date: 5/12/2015

Page 3 of 7

normal use of this product. Inhalation of free, respirable silica may cause silicosis or other serious delayed lung injury. Nickel has been listed as a possible human cancer hazard by NTP and IARC. IARC has not stated with certainty which forms of nickel are human carcinogens. Rodents exposed to high levels of nickel powder via inhalation did not develop increased incidences of malignant tumors. Silica may be released by grinding or machining of coated materials. Use NIOSH-approved dust/mist respirator when grinding or machining coated items.

3

### COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
64742-52-5	Distillates, petroleum, hydrotreated heavy naphthenic	60%	NA	NA	D
7782-42-5	Graphite	17%	15mg/m3	2mg/m3	D
112945-52-5	Silica, amorphous treated	1.0%	NA	NA	D
7440-02-0	Nickel	20%	1mg/m3	1.5mg/m3	A, B, C

4

### FIRST AID MEASURES

<b>Inhalation:</b>	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical aid.
<b>Skin Contact:</b>	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Get medical attention if irritation persists. Wash contaminated clothing separately before reuse.
<b>Eye Contact:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical aid.
<b>Ingestion:</b>	Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Call a Poison Control center.

**NK 2600**

MSDS Number: L2600H

Revision Date: 5/12/2015

Page 4 of 7

## 5 FIRE FIGHTING MEASURES

**Flammability:** NA  
**Flash Point:** 325 Deg. F. (163 C)  
**Flash Point Method:** COC

Extinguishing media: Use water spray, dry chemical, carbon dioxide or chemical foam. If water is used, fog nozzles are preferred.

Special Fire fighting procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Containers may explode in the heat of the fire. Use water spray to keep fire-exposed containers cool.

Unusual Fire & Explosion Hazards: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, Nickel will react slowly with hydrochloric and sulfuric acids, and is somewhat more reactive with nitric acid. Hydrogen gas may be liberated under certain conditions and this can form an explosive mixture with air if not dissipated.

## 6 ACCIDENTAL RELEASE MEASURES

Use proper personal protective equipment as indicated in Section 8.

Do not empty into drains. Material that cannot be recovered or reused should be disposed of in accordance with all Federal, State, and Local regulations.

Spills/Leaks: Provide ventilation. Avoid breathing vapors, mist or gas. Remove all sources of ignition. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

## 7 HANDLING AND STORAGE

**Handling Precautions:** Avoid contact with skin and eyes. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation.

**Storage Requirements:** Do not reuse empty containers without first having them commercially cleaned or reconditioned. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Store in a cool, dry, well-ventilated area away from incompatible substances. Store away from heat. Store in a tightly closed container. Keep container closed when not in use. Keep out of reach of children. Handle in accordance with good industrial hygiene and safety practices.

**NK 2600**

MSDS Number: L2600H

Revision Date: 5/12/2015

Page 5 of 7

8

## EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

Ventilation Requirement: Use adequate general or local exhaust ventilation to minimize exposure levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### Personal Protective Equip:

HMIS PP, B | Goggles, Gloves

Respiratory Protection: Not required under normal use conditions. Avoid breathing vapors or dusts. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. Self contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Protective gloves: Not required under normal use conditions. Solvent resistant gloves required for prolonged or repeated contact.

Eye protection: Safety glasses/Goggles and/or face shield should be worn.

Wear appropriate protective clothing to prevent skin exposure. Chemical resistant apron.

Hygienic work practices: Wash with soap and water before handling food.

9

## PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Metallic, Grayish

### Physical State:

Paste

### Spec Grav./Density:

(H20=1): 1.24

### Boiling Point:

500 Deg. F. (260 C)

### Vapor Pressure:

Not available

### Evap. Rate:

Slower than ether

### Odor:

Slight. Petroleum-like.

### Solubility:

NIL

### Percent Volatile:

Not available

### Flash Point:

325 Deg. F. (163 C)

### Vapor Density:

Heavier than air

### Auto-Ignition Temp:

Not available

10

## STABILITY AND REACTIVITY

### Stability:

Stable.

Nickel will react slowly with hydrochloric and sulfuric acids, and is somewhat more reactive with nitric acid. Hydrogen gas may be liberated under certain conditions and this can form an explosive mixture with air if not dissipated.

### Conditions to Avoid:

High temperatures, Incompatible materials.

### Materials to Avoid:

Sulfur and Sulfite compounds, fluorine, ammonium nitrate, hydrazine, ammonia, phosphorous, selenium, perchlorates, performic acid. Nickel will react slowly with hydrochloric and sulfuric acids, and is somewhat more reactive with nitric acid. Hydrogen gas may be liberated under certain conditions and this can form an explosive mixture with air if not dissipated.

### Hazardous Decomposition:

High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

### Hazardous Polymerization:

Will not occur

**NK 2600**

MSDS Number: L2600H

Revision Date: 5/12/2015

Page 6 of 7

11

## TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

Silica, amorphous treated (CAS 112945-52-5)

Acute

Oral LD50 3160 mg/kg (Rat)

Distillates, petroleum, hydrotreated heavy naphthenic (CAS 64742-52-5)

Acute

Oral LD50 >5 mg/kg (Rat)

Dermal 500.0 mg Standard Draize Test, (Rabbit)

Nickel (CAS 7440-02-0)

Acute

Oral LD50 5.0 mg/kg (Guinea pig)

This product contains encapsulated nickel powder and encapsulated silica. No exposure to free, respirable nickel or free, respirable silica is anticipated during normal use of this product. Inhalation of free, respirable silica may cause silicosis or other serious delayed lung injury. Nickel has been listed as a possible human cancer hazard by NTP and IARC. IARC has not stated with certainty which forms of nickel are human carcinogens. Rodents exposed to high levels of nickel powder via inhalation did not develop increased incidences of malignant tumors. Silica may be released by grinding or machining of coated materials. Use NIOSH-approved dust/mist respirator when grinding or machining coated items.

12

## ECOLOGICAL INFORMATION

Data summary for the components are as follows:

Nickel (CAS 7440-02-0)

Fish LC50 6.30 ppm 96 hrs, Striped Bass (*Morone saxatilis*)

13

## DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 262. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

Dispose of according to local, state, or federal regulations.

**NK 2600**

MSDS Number: L2600H

Revision Date: 5/12/2015

Page 7 of 7

14

## TRANSPORT INFORMATION

Proper Shipping Name: Non regulated.

15

## REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

\*Distillates, petroleum, hydrotreated heavy naphthenic (64742525 60%) NJHS, TSCA

\*Graphite (7782425 17%) MASS, OSHAWAC, PA, TXAIR

\*Nickel (7440020 20%) CERCLA, EPCRAWPC, MASS, NJHS, NRC, OSHAWAC, PA, PRIPOL, PRO65, SARA313, TOXICPOL, TSCA

### REGULATORY KEY DESCRIPTIONS

NJHS = NJ Right-to-Know Hazardous Substances  
CERCLA = Superfund clean up substance  
EPCRAWPC = EPCRA Water Priority Chemicals  
MASS = MA Massachusetts Hazardous Substances List  
OSHAWAC = OSHA workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
PRIPOL = Clean Water Act Priority Pollutants  
SARA313 = SARA 313 Title III Toxic Chemicals  
TOXICPOL = Clean Water Act Toxic Pollutants  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
PROP65 = CA Prop 65

TSCA = Toxic Substances Control Act

NRC = Nationally Recognized Carcinogens

16

## OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. \*\* Chemical listed as carcinogen or potential carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal Data only  
N/A = Not available N/D = Not determined