

# Material Safety Data Sheet



# 308207

Rev. C  
February 2002



This Data Sheet contains important information.  
**READ AND KEEP FOR REFERENCE.**

## INSTRUCTIONS

First choice when  
quality counts.™

## 1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Lubricant, Antisieze, Fel-Pro N-5000

**GracoPart Number(s):** 109502

**Graco Spec Number(s):** 073028

**Chemical Name:** NA

### Manufacturer / Supplier

Graco Inc.  
P.O. Box 1441  
60 11th Ave. NE  
Minneapolis, MN 55440-1441

### Emergency Information

Health Emergency (RMPC): (303)-623-5716

Chemical Spills (Chemtrec): (800)-424-9300

## 2.0 COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Range % by Weight</u>
Natural Graphite	7782-42-5	> 25
Nickel Flake	7740-02-0	> 20

For exposure data, see **8.0, Exposure Controls / Personal Protection**.

## 3.0 HAZARDS IDENTIFICATION

**Emergency Overview:** Harmful or fatal if inhaled. Harmful if swallowed. Birth defect hazard. Chronic health hazard. Contains ingredients which may cause organ damage. Prolonged contact with skin or eyes may cause irritation.

### Potential Health Effects:

<b>Eye Contact</b>	Particulate irritant. Contact may cause redness and swelling.
<b>Skin Contact</b>	Mechanical irritant. Prolonged contact may cause abrasion. Repeated or prolonged exposure may cause sensitization.
<b>Inhalation</b>	Inhalation of vapors or mist may cause respiratory irritation. May be harmful if inhaled.
<b>Ingestion</b>	May cause gastrointestinal upset. Toxic. Ingestion may cause central nervous system depression.
<b>Chronic Hazards</b>	This product contains encapsulated graphite. No exposure to free respirable graphite is anticipated during normal use of this product. Graphite may be released, however, by grinding or machining of coated surfaces. There is evidence that chronic occupational over-exposure to dusts containing graphite may cause graphite pneumoconiosis. The severity of pneumoconiosis is significantly influenced by prior or concurrent exposure to silica dusts. This product contains encapsulated nickel. No exposure to free respirable nickel is anticipated during normal application of this product. Nickel may be released, however, by grinding or machining of coated surfaces. Elemental nickel has been listed as a substance reasonably anticipated to be carcinogenic to humans by NTP, IARC, and OSHA, and as a confirmed human carcinogen by ACGIH. Chromosome damage was found in invitro studies. Reproductive effects have been seen in studies using rodents fed nickel compounds.

**NOTES:** NA = Not Applicable; NE = Not Established; UN = Unavailable

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## 4.0 FIRST AID MEASURES

<b>Eye</b>	Flush eyes thoroughly with clean water. Seek medical attention if irritation persists.
<b>Skin</b>	Remove contamination. Flush with water. Seek medical attention if irritation persists.
<b>Inhalation</b>	If effects occur, remove to fresh air. Seek medical attention if irritation persists.
<b>Ingestion</b>	Do not induce vomiting without medical supervision. Should vomiting occur, keep victims head below hips to avoid aspiration of vomitus into the lungs. Obtain immediate medical attention.

## 5.0 FIREFIGHTING MEASURES

<b>Flashpoint</b>	425°F (Pensky–Martens C.C.)
<b>UFL</b>	NA
<b>LFL</b>	NA
<b>Autoignition Temperature</b>	UN
<b>Flammability Classification</b>	UN
<b>Extinguishing Media</b>	Use water fog, alcohol foam, foam CO <sub>2</sub> .
<b>Unusual Fire and Explosion Hazards</b>	Irritating and/or toxic gases or fumes may be generated by thermal decomposition of combustion. Closed containers may rupture or explode (due to pressure buildup) when exposed to extreme heat.
<b>Firefighting Equipment</b>	Use eye protection. Use self-contained breathing apparatus when fighting fires.
<b>Hazardous Combustion Products</b>	UN

## 6.0 ACCIDENTAL RELEASE MEASURES

Absorb with inert material such as clay. Place into containers with lids. Cover loosely and remove to appropriate waste area. Wash spill area.

## 7.0 HANDLING AND STORAGE

<b>Handling</b>	Avoid prolonged contact. Do not breathe vapors, dusts, or mists. Do not ingest. For industrial use only.
<b>Storage</b>	Keep this and all chemical containers out of the reach of children.
<b>Other</b>	None

## 8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Eye</b>	Safety glasses
<b>Skin</b>	Cloth or synthetic gloves
<b>Inhalation</b>	If the TLV is exceeded, if use is performed in a poorly ventilated space, or area with limited ventilation, use NIOSH-approved dust/mist respirator in accordance with applicable health and safety regulations and manufacturer's recommendations. Use NIOSH-approved dust/mist respirator in accordance with applicable regulations and manufacturer's recommendation when grinding or machining cured compound.
<b>Other Equipment</b>	Accessible eyewash and safety shower
<b>Engineering Controls</b>	Local exhaust as needed to control vapors or dust levels to below lowest component recommended safe limit. General ventilation is usually adequate. No special engineering controls required under normal usage circumstances.
<b>Hygienic Practices</b>	Wash hands before eating. Follow all MSDS/label precautions even after container is empty. Do not reuse empty container without commercial clean or recondition.

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**Exposure Data:**

<u>Component</u>	<u>CAS#</u>	<u>Exposure Limits</u>
Natural Graphite	7782-42-5	2.5 mg/m <sup>3</sup> (2)
Nickel flake	7740-02-0	1.0 mg/m <sup>3</sup> (1,2)

**NOTES:** (1) ACGIH TLV (TWA); (2) OSHA PEL (TWA); (3)ACGIH STEL; (4) OSHA STEL; (5) MFR./SUPPLIER TLV; c = ceiling value

**9.0 CHEMICAL AND PHYSICAL PROPERTIES**

<b>Appearance and Odor</b>	Thick grey paste; Slight mineral odor
<b>pH</b>	UN
<b>Vapor Pressure (mm Hg)</b>	UN
<b>Vapor Density (Air = 1)</b>	Heavier than air
<b>Boiling Point</b>	UN
<b>Melting Point</b>	NA
<b>Solubility in Water</b>	Negligible
<b>Specific Gravity (Water = 1)</b>	1.2
<b>Dropping Point</b>	UN
<b>Penetration</b>	UN
<b>Evaporation Rate</b>	Slower than Butyl Acetate

**10.0 STABILITY AND REACTIVITY**

<b>Materials to Avoid</b>	F <sub>2</sub> , NH <sub>4</sub> NO <sub>3</sub> , hydrazine, NH <sub>3</sub> , (H <sub>2</sub> + dioxane), performic acid, P, Se, S, (Ti + KClO <sub>3</sub> ), perchlorates. Nickel will react slowly with hydrochloric and sulfuric acid, and is somewhat more reactive with nitric acid, and under certain conditions may liberate hydrogen gas which can form explosive mixtures with air if not dissipated.
<b>Hazardous Combustion or Decomposition Products</b>	Oxides of carbon. Acid Fumes. Nickel will react with acids to liberate hydrogen gas which can form explosive mixtures with air. Under special conditions, nickel can react with carbon monoxide in reducing atmosphere to form nickel carbonyl, which is an extremely toxic gas.

**11.0 TOXICOLOGICAL INFORMATION**

<b>Eye Irritation</b>	UN
<b>Skin Irritation – LD50</b>	UN
<b>Oral – LD50</b>	UN
<b>Inhalation – LC50</b>	UN

**Other Toxicity Data:**

UN

**12.0 ECOLOGICAL INFORMATION**

UN

**13.0 DISPOSAL INFORMATION**

Not federally regulated. Dispose of in accordance with local, state, and federal regulations.

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## 14.0 TRANSPORTATION INFORMATION

### U.S. Dept. of Transportation:

Shipping Name	UN
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### International Information:

Sea (IMO/IMDG) Shipping Name	Not determined
Air (ICAO/IATA) Shipping Name	Not determined.
European Road / Rail (ADR/RID) Shipping Name	Not determined
Canadian Transportation of Dangerous Goods Shipping Name	Not determined

## 15.0 REGULATORY INFORMATION

CERCLA Sections 102A/103 Hazardous Substances (40 CFR Part 302.4)	Chronic Health Hazard
SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355)	UN
SARA Title III Section 311/312 Hazardous Categorization (40 CFR Part 370)	UN
SARA Title III Sections 313 (40 CFR Part 372)	Nickel flake
U.S. Inventory (TSCA)	UN
OSHA Hazard Communication Standard	Hazardous
EC Inventory (EINECS/ELINCS)	UN
Japan Inventory (MITI)	UN
Australia Inventory (AICS)	UN
Korea Inventory (ECL)	UN
Canada Inventory (DSL)	UN
Philippine Inventory (PICCS)	UN

### Food Contact Status:

USDA	UN
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## 16.0 OTHER INFORMATION

Prepared By	Graco, Inc.
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This Material Safety Data Sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we have received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this Data Sheet may not be adequate for all individuals and/or situations. It is the users obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

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*All written and visual data contained in this document reflects the latest product information available at the time of publication.  
Graco reserves the right to make changes at any time without notice.*

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