

Safety Data Sheet

SDS ID: Stock Code 76020, 76022

Revision date: January 28, 2015

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Blue Monster® Nickel Anti-Seize Lubricant and Thread Sealant
Synonyms: None
Chemical family: N/A
Producer: The Mill-Rose Company
7310 Corporate Blvd.
Mentor, OH 44060

Telephone: 800-321-3598 Available during normal business hours

Emergency: 800-321-3598 Available during normal business hours

Section 2. HAZARD IDENTIFICATION

Precautionary Statements: Nickel powder and nickel oxide have caused tumors at the site of injection in rodents. However, studies of nickel containing prostheses do not suggest a significant risk to humans. Prolonged and repeated skin contact with metallic nickel can cause nickel sensitivity resulting in allergic skin rashes.

Inhalation: Not an expected route of entry.

Ingestion: Do not induce vomiting because material could be aspirated into the lungs.

Skin contact: Not particularly irritating. Avoid open wounds.

Eye contact: Normally not irritating.

Carcinogenic: The International Agency for Research on cancer (I.A.R.C.) has concluded that nickel refining was carcinogenic to humans and that nickel and certain nickel compounds were probable human carcinogens. I.A.R.C. could not state with any certainty which forms of nickel are probable carcinogens but stated, metallic nickel seems less likely to be a carcinogen than nickel subsulfide or nickel oxides." Epidemiological studies of workers exposed to dust and fume generated in the production of nickel alloys and of stainless steel have not indicated the presence of a significant respiratory cancer hazard.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Material information:

Name	CAS No.	Weight %
Nickel (dust or fume)	7740-02-0	18-30
Aluminum (dust)	7429-90-5	1-5

***Note:** The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.

Section 4. FIRST AID MEASURES

- Inhalation:** Not likely under normal conditions of use. If using in high temperature applications where thermal decomposition is likely, use a local exhaust to remove fumes. If dizziness or irritation occurs, seek fresh air.
- Skin contact:** Wash with soap and water, using a nail brush. Pay particular attention to finger nails and open wounds.
- Ingestion:** If ingested this product is not expected to cause an acute reaction. This product contains petroleum oil; do not induce vomiting, because the oil may be aspirated into the lungs. Use a gastric lavage, and call a poison control center or a physician.
- Eye contact:** This product could cause some mechanical irritation if gotten into the eyes and rubbed. Flush eye with water for 15 minutes, lifting the eyelids. If irritation persists consult a physician.

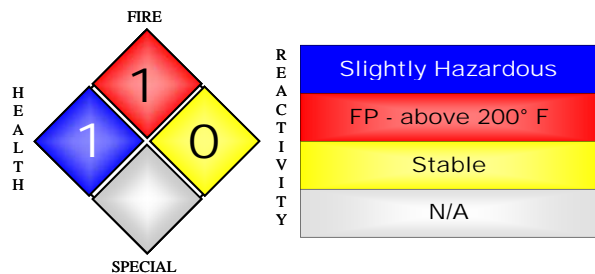
Section 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Dry chemical, foam or carbon dioxide.

Specific hazards: This compound will not burn unless it is pre-heated. Water fog may be used to cool the containers but do not spray directly into large containers of burning liquids as frothing may occur.

Special protective equipment and precautions for firefighters: Wear a "N.I.O.S.H." approved organic vapor respirator. Dense smoke and noxious or toxic fumes may be generated in a fire. Fire fighters should wear a self-contained breathing apparatus.

	NFPA rating:	HMIS rating:
Health:	1	1
Flammability:	1	1
Instability/reactivity:	0	0
Other:	N/A	B (PPE)



Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with the skin and the eyes. Because of the grease like nature of this product leaks are not expected. Scoop back into the container.
Large Spill:	Keep petroleum products out of streams and waterways. Assure conformity with applicable government regulations.
Methods for Containment and Clean up	This compound may be a regulated waste in certain areas of the country. Follow local, state, and federal guidelines. Dispose of at an approved facility. Do not dispose of into waterways or sewers.

Section 7. HANDLING AND STORAGE

Handling:	Do not transfer to an unmarked container. Keep away from children.
Storage:	Store away from strong oxidizers or peroxides.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Name	CAS No.	ACGIH® TLV® Exposure Limits:	Federal OSHA PELs	OSHA PELs 1989
Nickel (dust or fume)	7440-02-0	TWA: 1 mg/m ³	N/A	1 mg/m ³
Aluminum (dust)	7429-90-5	TWA: 5 mg/m ³	N/A	5 mg/m ³

All exposure limits listed are 8-hour time weighted average (TWA) — except where noted otherwise.

Time Weighted Average (TWA) is an average exposure over the course of an 8-hour work shift.

A Short Term Exposure Limit TWA over the course of 15 minutes.

PEL — Permissible Exposure Limit is the maximum 8-hour TWA concentration of a chemical that a worker may be exposed to under Occupational Safety and Health Administration (OSHA) regulations.

Federal OSHA 1989 PELs were vacated but are in use and enforced by many state OSHA plans.

Engineering measures: No special ventilation requirements under conditions of normal use.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Normally not required. If used at high temperatures where smoke or fumes are generated, use a local exhaust to maintain air quality or wear a "N.I.O.S.H." approved an organic vapor respirator.

Skin and body protection: Protective gloves are recommended if hand wounds are present.

Eye protection: Safety glasses are recommended.

Hygiene measures: When using, do not eat, drink or smoke. Avoid contact with skin, eyes and clothing. Wash hands immediately after handling the product with soap and water, using a nail brush.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Nickel colored paste
Physical state (solid/liquid/gas):	Solid
Substance type (pure/mixture):	Mixture
Color:	Nickel
Odor:	Grease like odor
Molecular weight:	Not available
pH:	Not applicable
Boiling point/range (5-95%):	Not applicable
Melting point/range:	Not applicable
Decomposition temperature:	Not available
Specific gravity:	1.2
Vapor density:	(AIR = 1) >1
Vapor pressure:	Not available
Evaporation rate (Butyl acetate= 1):	<1
Flash point, method used:	Over 450°F (232°C), C.O.C.
Water solubility:	Negligible
VOC Content:	0
Auto-ignition temperature:	Not available
Flammable limits in air — lower (%):	Not available
Flammable limits in air — upper (%):	Not available

Section 10. STABILITY AND REACTIVITY

Reactivity:	No data available
Stability:	Stable
Possibly hazardous reactions:	Not applicable
Conditions to avoid:	Storage around strong oxidizers or peroxides
Incompatible Materials:	Strong oxidizers
Hazardous decomposition products:	The thermal decomposition products are highly dependent upon the combustion conditions. Noxious or toxic fumes may be generated, some of which may be toxic or irritating.
Polymerization:	Will not occur

Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity: N/A

Product information:

Name	CAS No.	Inhalation:	Dermal:	Oral: LD ₅₀
Nickel (dust or fume)	7740-02-0	N/A	N/A	N/A
Aluminum (dust)	7429-90-5	N/A	N/A	N/A

LD₅₀ — The concentration of the chemical in air that kills 50% of the test animals in a given time (usually four hours).

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity effects: No data available

Persistence No data available

Degradability: No data available

Section 13. DISPOSAL CONSIDERATIONS

Cleanup considerations: This compound may be a regulated waste in certain areas of the country. Follow local, state, and federal guidelines. Dispose of at an approved facility. Do not dispose of into waterways or sewers. Incineration is the preferred method of disposal. Not a RCRA hazardous waste material.

Section 14. TRANSPORT INFORMATION

Transportation by Land (49CFR): Unrestricted

Transportation by Air (ICAO/IATA): Unrestricted

Transportation by Ship (IMO/IMDG): Unrestricted

Section 15. REGULATORY INFORMATION

California Proposition 65: Nickel

DOT (49 CFR 172)

Ozone Depleting Substances: None

Proper Shipping Name: Unrestricted

SARA Title III: Nickel: CAS#7740-2-0; 21%
Aluminum: CAS#729-90-5, 2%

Hazard Class: Unrestricted

CERCLA: Nickel

Identification Number: None

RCRA: No

Marine Pollutant: One

TASCA Inventory: All ingredients listed

IATA: Not Restricted

N.F.P.A. RATING: H-2, F-2, R-0

Proper Shipping Name: Unrestricted

Class / Division: Unrestricted

UN or ID Number: None

Section 16. OTHER INFORMATION

Standards and Certification Listings:

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