



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product identifier

Product name: AMCO 4981

Other means of identification

Product code: 689

Recommended use of the chemical and restrictions on use

Recommended use: Metal working lubricant

Details of the supplier of the safety data sheet

Manufacturer: Force Industries Division.
28 Industrial Blvd. Paoli, PA 19301.

Emergency Telephone number

For hazardous materials incidents only, call CHEMTREC Emergency Response Number:
1-800-424-9300.

For all other inquiries about this product, call Force Industries Division at 610-647-3575.

Revision Date: February 23, 2017

Supersedes: October 19, 2011

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye irritation (Category 2B)

Skin Irritation (Category 3)

Specific target organ toxicity – single exposure (category 3) Respiratory System

For the full text of the H-Statements mentioned in this Section, see Section 16.

Hazard statement(s)

H320: Causes eye irritation.

H316: Causes mild skin irritation.

H335: May cause respiratory irritation.



2.2 GHS Label elements, including precautionary statements

Emergency overview

Appearance:	Milky emulsion
Physical state:	Liquid
Odor:	None
Signal Word:	Warning



Precautionary statement(s)

P264: Wash skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P301+P310+P330+P331: IF SWALLOWED: Immediately call a POISON CENTER or physician, rinse mouth and DO NOT induce vomiting.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor/ physician if you feel unwell.
P332+P313: If skin irritation occurs: Get medical advice/ attention.
P337+P313: If eye irritation persists: Get medical advice/ attention.
P362: Take off contaminated clothing and wash before reuse.
P405: Store locked up.
P501: Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>Weight %</u>
Mineral Oil	8042-47-5	232-455-8	5 - 10
Sorbitan monooleate	1338-43-8	215-665-4	0 - 5
Ethoxylated sorbitan monooleate	9005-65-6	500-019-9	0 - 5

Others, if any, are non-hazardous and claimed as trade secret.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eyes: Flush eyes with water as a precaution.

Skin: Wash off with soap and plenty of water.

Ingestion: May act as a laxative. Do NOT induce vomiting. Call a POISON CENTER/physician immediately. Do NOT aspirate into lungs.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide and/or carbon dioxide



5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors. For personal protection see section 8.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

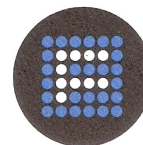
Components with workplace control parameters

Components	OSHA TWA
Mineral oil	5mg/m ³

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

**Personal protective equipment****Eye/face protection**

Chemical splash goggles in compliance with OSHA regulations are advised. However, OSHA regulations also permit other types of eye protection.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

If mist or vapor is released use an air-purifying organic vapor respirator with dust mist filter. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state:	Milky emulsion
Odor:	None
Flash point:	N/A
Vapor pressure:	Contains water
Vapor density:	N/A
Boiling Point:	above 100 C
Specific gravity:	0.98
Evaporation Rate (butyl acetate=1)	<1.0
Solubility in water	Disperses

9.2 Other safety information

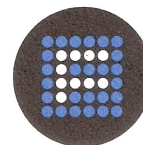
None

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

No data available

10.2 Chemical stability

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

May react with strong oxidizing agents.

10.6 Hazardous decomposition products

No data available

SECTION 11: TOXICOLOGICAL INFORMATION
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11.1 Component toxicity

Components	LC50/Inhalation/4h/Rat	LC50/Dermal	LD50/Oral/Rat
Mineral oil	5 mg/l	2000 g/kg (rabbit)	5000 mg/kg
Sorbitan Monooleate	No data available	No data available	No data available
Ethoxylated sorbitan monooleate	No data available	No data available	>5000 mg/kg

11.2 Effects of Acute Overexposure:

- a. Inhalation: Did not cause sensitization on laboratory animals.
- b. Eyes: No eye irritation
- c. Skin Contact: No skin irritation
- d. Ingestion: May act as a laxative.

11.3 Primary Route of Exposure:

Skin, eyes, and inhalation

11.4 Effects of Chronic Exposure:

No data available

11.5 Target Organs:

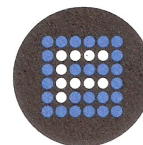
No data available

11.6 Reproductive Effects

No data available

11.7 Carcinogenicity:

No data available



SECTION 12: ECOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Components	LC50/96hr/48hr /24hr	EC50/96/48hr/24hr	Bioaccumulation Concentration Factor	No Observable Effect Concentration/ 96hr/48hr/24 hr
Mineral oil	>100 mg/L (fish)	>100 mg/L (water flea, 48hr)	No data available	No data available

12.2 Persistence and degradability

No data available

12.3 Bio-accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT (US)

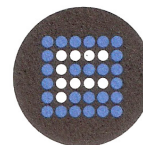
Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods



SECTION 15: REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components

Mineral oil 8042-47-5

New Jersey Right to Know Components

Mineral oil 8042-47-5

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

HMIS:

Health: 1

Flammability: 0

Reactivity: 0

PREPARATION INFORMATION: Technical Service Department, Force Industries Division

DISCLAIMER: The data set forth in these sheets are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. Force Industries makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereon. Force Industries warrants only that its products conform to their published specifications and no other express warranty is made with regards thereof. We do not guarantee favorable results, and we assume no liability in connection with the use of the products. They are intended for use by persons having technical skill and knowledge, at their own discretion and risk.