

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

**Product identifier**

**Product name:** AMCO 4955

**Other means of identification**

**Product code:** 688

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Cast-on strap operation in battery construction

**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 questions about this product, call Force Industries Division at 610-647-3575.

**Revision Date:** July 21, 2016

**Supersedes:** April 16, 2016

## SECTION 2: HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

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

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity – single exposure (category 3) Respiratory System  
H335

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

**Hazard statement(s)**

H315 Causes skin irritation  
H350 May cause cancer

**2.2 GHS Label elements, including precautionary statements****Emergency overview**

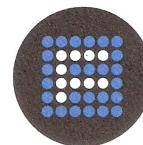
<b>Appearance:</b>	Straw-brown
<b>Physical state:</b>	Slightly viscous liquid
<b>Odor:</b>	Faint oil odor
<b>Signal Word:</b>	Danger

**Precautionary statement(s)**

P261 Avoid breathing / mist/ vapors/ spray.  
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.  
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  
P321 Specific treatment (see supplemental first aid instructions on this label).  
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>Weight %</u>
Oleic Acid	67701-08-0	30-40
Hydrotreated heavy naphthenic distillate	64742-52-5	60-70

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:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

**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**

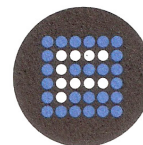
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

Carbon oxides

**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, mist or gas. 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. Storage class (TRGS 510): Combustible liquids

#### 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
Oleic acid	NA
Hydrotreated heavy naphthenic distillate	5 mg/m <sup>3</sup> oil mist

#### 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:	Slightly viscous liquid
Odor:	Faint oil odor
Flash point:	>230 °F (TAG Closed Cup)
Vapor pressure:	<1 (mmHg @ 68 °F)
Vapor density:	NA
Boiling Point:	372 °F
Specific gravity:	0.895
VOC:	146 gms/liter (1.22 lbs/gal)
Evaporation Rate (butyl acetate=1)	<1.0

**9.2 Other safety information**

None

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

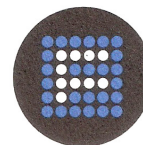
No data available

**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**

Strong oxidizing agents.

**10.6 Hazardous decomposition products**

No data available

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>
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**11.1 Component toxicity**

Components	LC50/Inhalation/4h/Rat	LC50/Dermal	LD50/Oral/Rat
Oleic acid	No Data	No Data	74,000 mg/kg
Hydrotreated heavy naphthenic distillate	>5 mg/kg	>5000 mg/kg	>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: No data available

**11.3 Primary Route of Exposure:**

Skin, eyes, and inhalation

**11.4 Effects of Chronic Exposure:**

No data available

**11.5 Target Organs:**

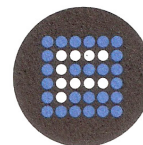
No data available

**11.6 Reproductive Effects**

No data available

**11.7 Carcinogenicity:**

No data available



## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Components	LC50/96hr/48hr /24hr	EC50/96/48hr/24hr	Bioaccumulation Concentration Factor	No Observable Effect Concentration/ 96hr/48hr/24 hr
Hydrotreated heavy naphthenic distillate	No data available	No data available	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)

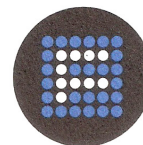
Not dangerous goods

### 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

### Pennsylvania Right To Know Components

Oleic Acid	67701-08-0
Hydro treated heavy naphthenic distillate	64742-52-5

### New Jersey Right To Know Components

Oleic Acid	67701-08-0
Hydro treated heavy naphthenic distillate	64742-52-5

### California Prop. 65 Components

This product does contain chemicals known to State of California to cause cancer – Process oil – Eaken GP22

## SECTION 16: OTHER INFORMATION

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

### HMS:

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.