

# SAFETY DATA SHEET



FORCE  
INDUSTRIES  
DIVISION

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

### Product identifier

**Product name:** AMCO 5157

### Other means of identification

**Product code:** 827

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

**Revision Date:** July 11, 2016

**Supersedes Date:** March 22 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 2  
EYE IRRITATION 2A  
SPECIFIC TARGET ORGAN TOXICITY 3

### Hazard statement(s)

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation

### 2.2 GHS Label elements, including precautionary statements

#### Emergency overview

**Appearance:** Yellow-White  
**Physical state:** Opaque Gel  
**Odor:** Pleasant  
**Signal Word:** Warning




**Precautionary statement(s)**

- P261 Avoid breathing dust/fumes/gas/mist/vapors/spray  
 P264 Wash hands thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/clothing and eye/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water  
 P304+P340 IF INHALED: Remove person to fresh air and keep 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 if you feel unwell.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P403+P233 Store in a well ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional /national/international regulations.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS –none.**
**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Component	CAS No.	EINECS No.	Wt. %
Petroleum Hydrocarbons	8009-03-8	232-373-2	30 – 60%
Butyl Stearate	123-95-5	204-666-5	5 – 20%

3.1 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. Move out of dangerous area.

EYES: Flush with water for at least 15 minutes to remove all residues. Promptly get medical help.

SKIN: Wash hands with soap and water to remove residue. If rash or burn develops, consult a physician.

INGESTION: Call a physician at once. Do NOT aspirate into lungs. Do not induce vomiting.

INHALATION: Remove to fresh air. If vapors are inhaled, call a physician.



#### 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 alcohol-resistant foam, dry chemical or carbon dioxide.

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

Do not use a direct stream of water. Product will float and may ignite.

#### 5.3 Advice for firefighters

Full protective equipment required. Do NOT use water as AMCO 5157 will float; exclude air.

#### 5.4 Further information

No data available.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

#### 6.2 Environmental precautions

Steps to be taken in case material is released or spilled. Evacuate personnel to safe areas. Keep people away from and up wind of spill/leak. Use personal protective equipment.

#### 6.3 Methods and materials for containment and cleaning up

Small Spill: Absorb liquid on paper vermiculite, floor absorbent or other suitable absorbent material.

##### Large Spill:

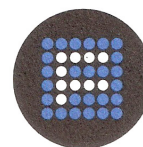
Eliminate all ignition sources of flames including pilot lights, electrical sparks). Person not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, if possible, dike area of spill to prevent spreading. Liquid may be taken up on sand, clay earth floor absorbent or other absorbent material and place into containers.

#### 6.4 Reference to other sections

For disposal see section 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling



Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Avoid breathing mists, dusts or vapors. Wash hands thoroughly after handling. Static electricity may accumulate and create a fire hazard. Ground containers. Do not expose to intense heat. Pressure build-up could rupture container.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage areas should be clearly identified, well-illuminated clear of obstructions and accessible. Inspect all incoming containers before storing to ensure they are undamaged and properly labeled. Store in a cool well-ventilated area out of direct sunlight. Store away from incompatible materials. Keep containers tightly closed and protect from damage. Store away from all heat and ignition sources. Empty container may retain product residues; therefore continue to observe all labeled precautions when handling empties. Do not remove labels until container is thoroughly cleaned.

## 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	ACGIH	ACGIH TWA
Butyl Stearate	10.0 mg/m <sup>3</sup>	10.0 mg/m <sup>3</sup>	10.0 mg/m <sup>3</sup>
Petroleum Hydrocarbons	2 mg/m <sup>3</sup>	4 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>

### 8.2 Exposure controls

#### Appropriate engineering controls

Maintain adequate ventilation to keep hazardous ingredients below their PELs or TLVs. Use NIOSH /MSHA approved respirator whenever exposure limits exceeded. Good general; ventilation (typically 10 air exchanges per hour) should be used. Use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below exposure limits.

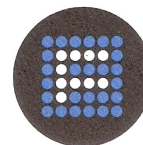
#### Personal protective equipment

##### 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 release 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**

<b>Physical state:</b>	Yellow-white Opaque Gel
<b>Odor:</b>	Pleasant odor
<b>Vapor pressure:</b>	NA
<b>Vapor density:</b>	NA
<b>Boiling Point:</b>	above 600 °F
<b>Specific Gravity</b>	0.84 @ 72 °F
<b>Flash Point</b>	>300°F

### **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**

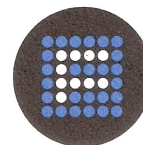
Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.

### **10.5 Incompatible materials**

Chlorine, Fluorine and other strong oxidizing agents and acids.

### **10.6 Hazardous decomposition products**

Combustion can yield carbon monoxide, carbon dioxide and toxic vapors.



## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Component toxicity

Components	LC50/Inhalation/6h/Rat	LC50/Dermal	LD50/Oral/Rat
Butyl Stearate	32,000 mg/kg	No data	No data
Petroleum Hydrocarbons	No data	2000 mg/kg	2000 mg/kg

### 11.2 Effects of Acute Overexposure:

- a. Inhalation: Central nervous system depression evidenced by headache, dizziness, and nausea. In extreme cases, unconsciousness and death may occur.
- b. Eyes: May cause severe irritation, redness, tearing and or blurred vision.
- c. Skin Contact: Prolonged or repeated contact may cause moderate irritation, defatting and or dermatitis.
- d. Ingestion: May act as a laxative. Do not induce vomiting. Call a physician or your poison center. Product can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis, which can be fatal.

### 11.3 Primary Route of Exposure:

Skin, eyes, and inhalation

### 11.4 Effects of Chronic Exposure:

Repeated contact can cause dermatitis (red, dry itchy skin)

### 11.5 Target Organs:

Mildly toxic by inhalation

### 11.6 Reproductive Effects

Not available.

### 11.7 Carcinogenicity:

Not available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

No data available

#### 12.2 Persistence and degradability

Readily biodegradable in water.

#### 12.3 Bioaccumulative potential

Log Pow > 3 Bioaccumulative potential No bioaccumulation data available.

#### 12.4 Mobility in soil

No data available

# SAFETY DATA SHEET



FORCE  
INDUSTRIES  
DIVISION

## 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

## 12.6 Other adverse effects

No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Waste from Residue/Used Products: The user of this material has the responsibility to disposed of unused material, residues and containers in compliance with all Federal, State and Local regulations. Do not contaminate ponds, waterways or ditches with chemical or container

## SECTION 14: TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49CFR)

Not regulated

## SECTION 15: REGULATORY INFORMATION

### CERCLA Reportable Quantities

The product does not contain CERCLA Reportable Quantities

### SARA Title III Section 311/312 Hazard Categories:

Acute Health Hazard

### SARA Title III 313 Reportable Substances

If listed below components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

None

### Toxic Substance Control Act (TSCA)

If listed below, non-proprietary substances are subject to export notification Section 12 (b) of TSCA:

None listed

### California Proposition 65

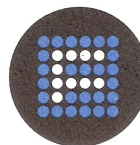
This product does not contains a chemical known in the State of California to cause cancer.

### Chemical Inventory Status

Unless otherwise noted; this product is in compliance with the inventory listings of the countries shown below. For information listings for countries not shown, contact the Product Regulatory Department.

Canada - DSL (Domestic Substance List): All raw materials used in this product are listed on DSL

# SAFETY DATA SHEET



**FORCE  
INDUSTRIES  
DIVISION**

USA - TSCA (TOXIC SUBSTANCE CONTROL ACT): All raw materials used in this product are listed on TSCA Inventory.

Europe - All raw materials used in this product are listed on EINECS Inventory.

## SECTION 16: OTHER INFORMATION

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

**HMIS:**

**Health:** 0

**Flammability:** 1

**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.