

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Product Name: AMCO 4874 CAS number: N/A - mixture
Chemical Name & Synonyms: N/A - mixture
Appearance: Water clear liquid with trace of hydrocarbon odor
Use: Metal working lubricant
Manufacturer: Force Industries Division. 28 Industrial Blvd. Paoli, PA 19301. Tel. 610-647-3575
EMERGENCY PHONE No. Transportation: CALL CHEMTREC (800) 424-9300 * Available 24 Hours

II. CHEMICAL COMPOSITION

<u>Material</u>	<u>SARA III</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Isoparaffinic Hydrocarbon	88-95%	64742-48-9	1200	mg/m ³
Butyl Stearate	2-5%	123-95-5	N/E	N/E
Butyl Palmitate	2-5%	111-06-8	N/E	N/E

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

Hazard Rating: HMIS: (H=1 F=2 R=0 PE=C) NFPA: (H=1 F=2 R=0)

III. POTENTIAL HEALTH EFFECTS AND HEALTH HAZARD DATA

Target organ statement: Caution: Defatting and drying of the skin.
Effects of Chronic Exposure: Dermatitis and central nervous system depression (headache and nausea).
Effects of Acute Overexposure
Swallowing: Aspiration pneumonitis, vomiting.
Skin Absorption: None currently known.
Inhalation: Central nervous system depression evidenced by headache, dizziness, and nausea. In extreme cases, unconsciousness and death may occur.
Skin Contact: Frequent or prolonged contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis.
Eye Contact: Irritation to eye surfaces. Pre-existing eye disorders may be aggravated.

IV. EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Call a physician at once. Do NOT aspirate into lungs. Do not induce vomiting.
Skin: Wash hands with soap and water to remove residue. If rash or burn develops, consult a physician.
Inhalation: Remove to fresh air. If vapors are inhaled, call a physician.
Eyes: Flush with water for at least 15 minutes to remove all residue. Promptly get medical help.

V. FIRE AND EXPLOSION DATA

Flashpoint (°F): 120 TCC
Flammable limits in air: LOWER: 1 UPPER: 7 (% by volume)
Extinguishing media: Foam, dry chemical, or CO₂. Do not use a direct stream of water. Product will float and may ignite.
Special firefighting procedures: Do NOT use water as AMCO 4874 will float; exclude air.
Unusual fire and explosion hazards: Static electricity may accumulate and create a fire hazard. Ground containers.

VI. REACTIVITY INFORMATION

Stability considerations/Conditions to avoid Stable/None
Hazardous polymerization/Conditions to avoid: Will not occur/None
Incompatibility/Materials to avoid: Avoid heat, flame and strong oxidizing agents
Hazardous combustion or Decomposition products: Carbon monoxide or carbon dioxide

VII. SPILL AND LEAK RESPONSE

Steps to be taken if material is released or spilled: Eliminate potential ignition sources. Liquid or vapor can spread and result in flash fire. Contain spill, absorb, and sweep-up. Remove to chemical sewer. Use absorbent material for small spills
Waste disposal method: Dispose of in accordance with all local, state, and federal regulations.

MATERIAL SAFETY DATA SHEET

VIII. SPECIAL PROTECTION EQUIPMENT

Respiratory protection: If the workstation is not properly ventilated to exhaust all fumes and vapors, use a NIOSH approved mask.

Ventilation: Maintain airflow away from user to remove all fumes and vapors, so that the PEL is never exceeded.

Protective gloves: Chemical and oil impervious

Eye protection: Chemical tight safety goggles. Do NOT wear contact lenses.

Other protective equipment: Wear chemical-resistant clothing as required to minimize contact.

IX. STORAGE, HANDLING AND SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Wash hands thoroughly after handling to remove all residue. Keep product away from heat, sparks and flames. Keep container closed. Store material under ambient conditions. Vent drums occasionally. Empty container may retain product residues; therefore continue to observe all labeled precautions when handling empties. Do not remove label until container is thoroughly cleaned.

Other precautions: Remove and professionally wash contaminated clothing before re-use.

X. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F @ 760 mmHg):	346 - 403	Specific gravity (H ₂ O = 1 @ 72°F):	0.768
Vapor pressure (mmHg, 100°F):	< 5	Percent volatiles by volume:	90
Solubility in water:	Negligible	Evaporation rate (butyl acetate = 1):	< 0.1

XI. OPTIONAL INFORMATION

Department of Transportation: DOMESTIC GROUND (NOTE: Exempted from regulations if <119 gallons.)

Proper shipping name: Petroleum Distillates, N.O.S.

Hazard Class: Combustible Liquid

ID & Packing Group Number: UN 1268, PG III (see note above; read CFR 49)

ERG Guide Number: 128

Toxic Substance Control Act: All components of this compound are listed within the TSCA inventory.

Hazard Communication Program: Hazardous warnings and training requirements as mandated for flammable liquids.

Sara Title III Program: Sections 311/312 classifies this material as a fire hazard. Note 40 CFR 370 threshold quantities may apply.

State Right-to-Know Programs:
Pennsylvania: This product contains the following chemicals listed in PA Code Title 34, Hazardous Substance List: Petroleum Distillate

California: This product contains the following compounds subject to the reporting and labeling requirements of Proposition 65: None.

NOTES: NA=Not Applicable
F=Fire

NE=Not Established
R=Reactivity

H=Health
PE=Personal Equipment

While we believe all information presented herein is accurate and reliable, the data are not to be taken as a guarantee or representation of any kind for which Force Industries assumes legal responsibility. They are offered solely for your consideration, investigation, and verification.