

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Product Name: AMCO 290 CAS number: N/A - mixture
Chemical Name & Synonyms: N/A - mixture
Appearance: Straw-brown slightly viscous liquid, faint oil odor.
Use: General purpose indicator
Manufacturer: Force Industries Division Tel. 610-647-3575
EMERGENCY PHONE No. 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>
Oleic acid & Tall-oil fatty acid blend		61790-12-3	5 mg/m ³	-----

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

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

III. POTENTIAL HEALTH EFFECTS AND HEALTH HAZARD DATA

Target organ statement: Caution -skin and eye irritant.
Effects of Chronic Exposure: Lung inflammation, chemical pneumonitis from mists, if they occur and if exposure is excessive and repetitive.

Effects of Acute Overexposure

Swallowing: May cause abdominal cramps and diarrhea. Product will have a laxative effect.
Skin Absorption: None currently known.
Inhalation: Irritant to respiratory system. Aspiration pneumonitis.
Skin Contact: Mild dermatitis or irritation. Existing skin disorders may be aggravated.
Eye Contact: Mild irritation to eye surfaces. Existing eye disorders may be aggravated.

IV. EMERGENCY AND FIRST AID PROCEDURES

Swallowing: May act as a laxative. Do not induce vomiting. Call a physician or your poison control center. DO NOT aspirate into lungs; aspiration pneumonitis.
Skin: Wash hands with soap and water to remove all residue. If rash develops, consult a physician.
Inhalation: Remove to fresh air. If mists or 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

Flash point (°F): 372 TCC
Flammable limits in air LOWER: N/A UPPER: No data (% by volume)
Extinguishing media: Foam, dry chemical, or CO₂
Special fire fighting procedures: Do NOT use water as material will float; exclude air.
Unusual fire and explosion hazards: Dense smoke may be generated; wear self-contained breathing apparatus.

VI. REACTIVITY INFORMATION

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

VII. SPILL AND LEAK RESPONSE

Steps to be taken if material is released or spilled: Contain spill, absorb, sweep-up. Remove to chemical sewer. Flush area to chemical sewer.
Waste disposal method: Dispose of in accordance with all local, state and federal regulations.

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VIII. SPECIAL PROTECTION INFORMATION

Respiratory protection: If the workstation is not properly ventilated to exhaust all fumes, mists, and vapors; use a NIOSH approved mask.
Ventilation: Maintain airflow away from user to remove all fumes, mists 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: Full protective equipment normally used in a soldering operation so as to prevent any contact.

IX. STORAGE, HANDLING AND SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Wash hands thoroughly after handling to remove all residue. Store material under ambient conditions. Vent drums occasionally. Do not freeze. If material freezes, warm to 72°F and roll the drum.
Other precautions: Remove and professionally wash contaminated clothing before re-use.

X. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F @ 760 mmHg):	662	Specific gravity (H ₂ O = 1 @ 72°F):	0.89
Vapor density (air = 1):	Nonvolatile	Vapor pressure:	<1 mm Hg
Percent volatiles by volume:	No data	Solubility in water:	Negligible
Evaporation rate (butyl acetate = 1):	<1		

XI. OPTIONAL INFORMATION

Department of Transportation: DOMESTIC GROUND - Not a regulated product
Proper shipping name: N/A
Hazard Class: N/A
ID & Packing Group Number: N/A
ERG Guide Number: N/A

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

Hazard Communication Program: (29 CFR 1910.1200) Hazardous warnings and training requirements as mandated for oil mists.

SARA Title III Program: This product contains the following toxic chemicals subject to the reporting requirements of EPCRA of 1986 and 40 CFR 372. This information must be included in all MSDS that are copied and distributed for this material.

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>
None	-----	-----

State Right-to-Know Programs:

Pennsylvania: This product contains the following chemicals listed in PA Code Title 34, Hazardous Substance List: None

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

Miscellaneous: This product contains the following marine pollutants listed under 49 CFR 172.101 Appendix B: None

NOTES: NA=Not Applicable NE=Not Established R=Reactivity PE=Personal Equipment
H=Health F=Fire

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.