



3245 Fayette Avenue
Birmingham, Alabama 35208
205-787-2611

To Our Valued Customers:

The following documents are the Material Safety Data Sheets (MSDS's) of our various product lines for your reference. They have been prepared with information from our suppliers to comply with the Federal Hazard Communication Standard, 29 CFR 1910.1200. The MSDS contains important safety, health and regulatory information that is important to you, your employees and customers who are exposed to these materials.

In addition, some of the components may be subject to the reporting requirements of Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA), 40 CFR Part 372, as well as to the Comprehensive Environmental Response, Conservation and Liability Act of 1980 (CERCLA), 40 CFR Part 302. If you are unsure as to your reporting requirements, or need more information, call the USEPA SARA Hotline: (800) 424-9346, or the Emergency Planning and Community Right-to-Know Act Hotline: (800) 535-0202.

The MSDS is supplied to provide safety, health and environmental information only and must not be used for material specifications.

Please contact your sales person or call us directly if you require further assistance.

Sincerely,

AMICO

IMPORTANT
Liability Disclaimer

The information contained in the referenced Material Safety Data Sheet (MSDS) is believed to be correct as it was obtained from sources we believe are reliable. However, no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, variations in methods, conditions and equipment used to store, handle, or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at his/her sole discretion.

Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user, and the user has the responsibility to provide a safe work place to examine all aspects of its operation and to determine if or where precautions, in addition to those described herein, are required.

MATERIAL SAFETY DATA SHEET



A GIBRALTAR INDUSTRIES COMPANY

3245 Fayette Avenue • Birmingham, AL 35208

Revision Date: 2/22/07

SECTION I. MATERIAL IDENTIFICATION

Trade Name: Ferrocote® 61A

Products: Pickle & Oil for steel products

Emergency Phone Number: CHEMTREC® (800) 424-9300

SECTION II. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	Chemical Name	WT%
64742-52-5	Severely Hydrotreated Heavy Naphthenic Distillates	90 - 95%
64742-53-6	Severely Hydrotreated Light Naphthenic Distillates	1 - 5%
68783-96-0	Calcium Sulfonate	1 - 5%

SECTION III. HAZARDS IDENTIFICATION

Threshold Limit Value:

The PEL (OSHA) and the TLV (ACGIH) are 5 mg/m³ for oil mists. Section II. May list severely hydrotreated distillates, severely solvent refined distillates or some other distillates. These materials are all mineral oils and the exposure limits listed above would apply to these materials.

Primary Routes of Entry:

Inhalation, Skin Contact, Eye

Eye Contact:

May cause eye irritation if splashed into the eyes.

Skin Contact:

Repeated or prolonged contact with base product may cause irritation leading to various skin disorders such as dermatitis, oil acne, or folliculitis.

Inhalation:

Inhalation of vapor (generated at high temperatures only) or oil mist from this product may cause mild irritation of the upper respiratory tract.

Effects of Overexposure:

INGESTION: Ingestion may cause nausea, diarrhea and stomach discomfort.

SECTION IV. FIRST AID MEASURES

Eyes: Flush promptly with cool running water for at least 15 minutes. Call a physician.

Skin: Wash thoroughly with soap and water. Call a physician if necessary.

Ingestion: Call a physician. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

SECTION V. FIRE FIGHTING MEASURES

Flash Point (Method Used): 380°F (C.O.C.)

Flammable Limits: ND

Lower: ND

Upper: ND

Extinguishing Media:

CO₂, Foam, Dry Chemical

Special Fire Fighting Procedures:

Wear NIOSH/MSHA approved self contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards:

None

SECTION VI. ACCIDENTAL RELEASE MEASURES**Steps to be taken in case material is released or spilled:**

Soak up with absorbant material and remove to closed container. Wash area with mild detergent and water.

Environmental Impact:

Not determined.

SECTION VII. HANDLING AND STORAGE**Storage Temperature (Min./Max.):**

40°F/100°F

Shelf Life:

6 months.

Special Sensitivity:

Not Determined

Handling and Storage Precautions:

Do not get in eyes, on skin or on clothing. Do not take internally. Wash thoroughly after handling.

Other Precautions:

None

SECTION VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**Eye Protection:**

Wear safety glasses.

Protective Gloves:

Rubber (butyl or natural) or nitrile.

Respiratory Protection:

For fire conditions or exposure above TLV: Wear NIOSH/MSHA approved respirators.

Ventilation Requirements:

Local exhaust is recommended.

Other Protective Equipment:

Eye wash facility and safety shower recommended.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

Boiling/Melting Point: >300°F

Specific Gravity (Water = 1): 0.900 @ 60°F

Vapor Density (Air = 1): ND

Vapor Pressure: 0.09 mm HG @ 25°C

Percent Volatile by Volume (%): 6.1%

Percent Solid by Weight: ND

Evaporation: ND

Solubility in Water: Negligible

pH: NA

Appearance and Odor: Clear, amber oil with perfumed odor.

Volatile Organic Compound (VOC): 0.44 lb/gal (ASTM D-2369)

SECTION X. STABILITY AND REACTIVITY

Stability: Stable

Conditions Contributing to Instability: None

Hazardous Polymerization: Will not occur.

Incompatibility: Strong oxidizers.

Hazardous Decomposition Products: (Thermal) CO, CO₂, SOX, NOX.

SECTION XI. TOXICOLOGICAL INFORMATION

Any product containing a substance for which OSHA has established a permissible exposure limit (PEL) is considered hazardous. OSHA has established a PEL of 5 mg/m³ for worker exposure to airborne mists of mineral oils. Therefore, the presence of mineral oils brings this product within the provisions of the OSHA Hazard Communication Standard where the PEL reaches or exceeds 5 mg/m³. Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

This product does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or OSHA.

SECTION XII. ECOLOGICAL INFORMATION

No data available.

SECTION XIII. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of in accordance with local, state and federal EPA regulations.

SECTION XIV. TRANSPORT INFORMATION

U.S. Department of Transportation

Proper Shipping Name: Not Regulated

DOT Hazard Class: NA

UN/NA ID Number: NA

Emergency Response Guide Number: NA

SECTION XV. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA):

This product and/or all the ingredients contained in this product have been registered under the Toxic Substances Control Act.

RCRA:

This product does not meet the definitions or contain any substance appearing in the listings contained in 40 CFR 261, "Identification and listing of hazardous waste".

This product does not contain any material which is subject to the annual reporting requirements under Section 313 of SARA, Title III. Contact the EPA for information regarding the reporting requirements.

This product has been reviewed in accordance with Section 311 (MSDS Inventory) and Section 312 (Tier I/II Inventory) of the Superfund Amendment and Reauthorization Act of 1985 (CFR 40 370.2) for "Hazard Category" status under applicable definitions. This product meets the following categories:

Immediate (Acute) Health Hazard.

This product does not contain or was not manufactured with any EPA Class I or Class II ozone depleting substances.

Trade secret claim is made in accordance with Section 317.2 of the Pennsylvania Worker and Community Right-to-Know Act (Title 34).

SECTION XVI. OTHER INFORMATION

The information contained in this Material Safety Data Sheet is based on the neat or concentrated product as shipped.

Hazardous Material Identification System Rating (HMIS)

Health*	1
Flammability	1
Reactivity	0
Personal Protection	B

* Personal Protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

This product's safety information is provided to assist our customers in assessing compliance with health/safety/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or to be implied, regarding the accuracy of these data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of the product. Such conditions should comply with all federal regulations concerning the product. AMICO assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product.

NA = NOT APPLICABLE,

ND = NOT DETERMINED

< = LESS THAN

> = GREATER THAN