

MSDS Data

C5-A ANTISEIZE

PS03434

Cherry Point Information

ARCO Hazard Rating:

Health	Fire	Reactivity
3	1	1

4-Extreme, 3-High, 2-Moderate,  
1-Slight, 0-No Significant Hazard

ARCO Hazard Warning:

CNS Depressant  
Irritant

Nickname(s):

-----  
CHERRY POINT REFINERY PERSONAL PROTECTIVE EQUIPMENT (PPE)

USE NITRILE GLOVES WHEN HANDLING IF SKIN CONTACT CAN OCCUR.

DOT INFORMATION:

SHIPPING NAME : NOT REGULATED  
HAZARD CLASS :  
UN/NA# :

\*\*\* End of Cherry Point Information \*\*\*

GENERAL INFORMATION (CHEMICAL PRODUCT/COMPANY ID.)

DATE: 9603 CP

PRODUCT NAME: C5-A ANTISEIZE

IDENTIFICATION NUMBER: 51001, 51002, 51004-51012, 51144, 51146, 51147, 51299

PRODUCT USE/CLASS: LUBRICANT

NATIONAL STOCK NUMBER: 8030-00-200-3732; 4 OZ 8030-00-059-2761; 1 LB 8030-00-155-6444, 8030-00-180-6137, 8030-00-251-3980, 8030-00-844-7368; 2.5 LB 8030-00-597-5367; 8 LB 8030-00-286-5453

SUPPLIER AND MANUFACTURER: FEL-PRO CHEMICALS PRODUCTS, L.P.

3412 West Touhy Avenue

LINCOLNWOOD, IL 60645

EMERGENCY TELEPHONE NUMBER 800-424-9300 24 hours

PREPARE DATE: 03/27/96

Preparer: Cathy Griffith, Phone: 303-289-5651

HEALTH & FIRST AID (HAZARDS IDENTIFICATION)

Emergency Overview: Harmful if swallowed. At elevated temperatures may cause irritation of the eyes and respiratory tract.

Acute Effects: Eye Contact: Slight irritation but does not injure eye tissue

Acute Effects: Skin Contact: Prolonged or repeated skin contact may cause irritation.

Acute Effects: Inhalation: Inhalation of dust at levels above the recommended exposure limits may cause metallic or sweet taste, irritation of the pharynx, and possible ulceration with perforation of the nasal passages.

Acute Effects: Ingestion: Moderately toxic. Irritating to mouth, throat and stomach, with nausea.

Effects of Overexposure - Chronic Hazards: Pre-existing pulmonary and dermatological disorders may be aggravated by exposure to hazardous components. Repeated and prolonged inhalation of graphite or carbon dusts may cause pulmonary fibrosis, emphysema, and pneumoconiosis. The severity of these effects is greatly influenced by the presence of other harmful mineral dusts, most notably crystalline silica. This product contains encapsulated silicon dioxide (quartz, silica). No exposure to free respirable silica is

MSDS Data

C5-A ANTISEIZE

PS03434

anticipated during normal use of this product. It should be noted, however, that free respirable silica has been listed as a suspected human carcinogen by NTP and IARC. Inhalation of free respirable silica may cause silicosis or other serious delayed lung injury. Silica may be released by grinding or machining of coated materials. Use NIOSH-approved dust/mist respirator when grinding or machining coated items.

This product contains encapsulated metal powder which contains copper and zinc. No exposure to free metal powder is anticipated during normal application of this product. Metal powder may be released, however, by grinding or machining of cured compound or coated surface. Repeated or prolonged exposure to metal dust may cause metal-fume fever, metallic taste, and discoloration of skin and hair. Refer to protective equipment section for appropriate protective measures.

Primary Routes of Entry: Skin contact, Inhalation, Ingestion, Eye contact

**HEALTH & FIRST AID (FIRST AID MEASURES)**

**Eye Contact:** Immediately flush with plenty of water. Get medical attention, if irritation persists.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists.

**Inhalation:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

**Ingestion:** If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**TOXICOLOGICAL INFORMATION**

No product or component toxicological information is available.

**COMPOSITION & EXPOSURE LIMITS (COMPOSITION/INFORMATION ON INGREDIENTS)**

Item	Chemical Name	CAS NO.	Weight % (less than)
01	Graphite	7782-42-5	20.0%
02	Hydrotreated petroleum Distillates	64742-52-5	25.0%
03	Copper	7440-50-8	25.0%
04	Petroleum distillate	64742-18-3	15.0%
05	Silicon dioxide (encapsulated)	14808-60-7	0.2%

-----Exposure Limits-----

Item	ACGIH		OSHA		Company	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-STEL	TLV-TWA	Skin
01	2.5mg/m3	N.E.	2.5mg/m3	N.E.	N.E.	No
02	N.E.	N.E.	N.E.	N.E.	N.E.	No
03	1mg/m3	N.E.	1mg/m3	N.E.	N.E.	No
04	5mg/m3	10mg/m3	5mg/m3	N.E.	N.E.	No
05	0.1mg/m3	N.E.	0.1mg/m3	N.E.	0.1mg/m3	No

**FIRE & EXPLOSION HAZARD DATA (FIRE FIGHTING MEASURES)**

Flash Point: 300 F (Pensky-Martins C.C.)

Lower Explosive Limit: 1.0%

Upper Explosive Limit: 6.0%

Auto Ignition Temperature: No data

Extinguishing Media: CO2, dry chemical, foam, water fog

Unusual Fire and Explosion Hazards: Finely divided dust in air may present

MSDS Data

C5-A ANTISEIZE

PS03434

---

explosion hazard. Prevent dust buildup. Closed container may rupture or explode (due to pressure buildup) when exposed to extreme heat. Irritating and/or toxic gases or fumes may be generated by thermal decomposition or combustion.

Special Fire Fighting Procedures: Use NIOSH-approved self-contained breathing apparatus and full protective clothing. Use water to cool exposed containers.

Water stream directed into fire may cause frothing with subsequent spread of flame.

---

**REACTIVITY DATA (STABILITY AND REACTIVITY)**

Conditions to Avoid: Prolonged exposure to heat.

Incompatibility: Strong Lewis or mineral acids. Strong bases or oxidants. Nitrates, nitrites, chlorinated hydrocarbons, chlorides, palladium, selenium, manganese, magnesium + potassium chlorate, sodium carbonate, sulfates, and diborane.

Hazardous Decomposition Products: Oxides of carbon. Various hydrocarbons.

Hazardous Polymerization: Will not occur under normal conditions

Stability: This product is stable under normal storage conditions.

---

**PHYSICAL & CHEMICAL DATA (PHYSICAL AND CHEMICAL PROPERTIES)**

Boiling Range: 550-4215 F

Odor: Slight petroleum

Appearance: Copper colored

Solubility in water: Insoluble

Freeze Point: NA

Vapor Pressure: NA

Physical State: Paste

Coefficient of Water/Oil Distribution: NA

Vapor Density: Heavier than air

Odor Threshold: No data

Evaporation Rate: Is slower than Butyl Acetate

Specific Gravity: 1.3017

pH @ 0.0: NA

Viscosity: High

---

**MFG. PROTECTIVE GEAR (EXPOSURE CONTROLS/PERSONAL PROTECTION)**

Engineering Controls: General ventilation is generally adequate.

Respiratory Protection: None normally required under general ventilation. If exposure levels are unknown, if levels exceed TLV/PEL, or if effects occur, use NIOSH-approved dust/mist respirator in accordance with applicable health and safety regulations and manufacturer's recommendations.

Skin Protection: Clean clothing to cover skin. Cloth or synthetic gloves.

Eye Protection: Safety glasses

Other Protective Equipment: Accessible eye wash and safety shower.

Hygienic practices: Follow general industrial safety practices during use.

Do NOT reuse empty containers without commercial clean and recondition.

Follow all MSDS/Label precautions even after container is emptied.

---

**ACCIDENTAL RELEASE MEASURES**

Steps to be taken in case material is released or spilled: reclaim clean material. Contaminated material should be swept or shoveled into appropriate waste container and disposed of in accordance with applicable federal, state, and local regulations.

---

MSDS Data

C5-A ANTISEIZE

PS03434

---

**HANDLING AND STORAGE**

Handling: Wash hands before eating. Avoid prolonged or repeated contact with skin. DO NOT take internally. FOR INDUSTRIAL USE ONLY.

Storage: Store away from heat. KEEP OUT OF REACH OF CHILDREN.

---

**ECOLOGICAL INFORMATION**

Ecological Test Data: No information

---

**DISPOSAL CONSIDERATIONS**

Disposal Method: Review all current federal, state, and local regulations regarding health and disposal for appropriate disposal procedures.

Incineration preferred.

---

**TRANSPORTATION INFORMATION**

DOT Proper Shipping Name: Not Regulated

DOT Technical Name: NA

DOT Hazard Class: NA HAZARD Subclass: NA

DOT UN/NA Number: NA Packing Group: NA Resp. Guide Page: NA

IMDG/Ocean Information: Not Regulated

IATA/ICAO/Air Information: Not Regulated

---

**REGULATORY INFORMATION**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA -SARA Hazard Category: This product has been reviewed and is considered, under applicable definitions, to meet the following categories:  
IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD

SARA Section 313: This product contains the following substances subject to the reporting requirements of Section 313 and 40 CFR Part 372:

Chemical Name	CAS No.	WT/WT% is less than:
Copper	7440-50-8	25.0%

Toxic Substances Control Act: The chemical substances in this product are on the TSCA Section 8 Inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) from the United States: NONE

New Jersey Right-To-Know: The following materials are non-hazardous but are among the top five components in this product.

Fatty acids, tallow, calcium salts 64755-01-7

Pennsylvania Right-To-Know: The following non-hazardous ingredients are present in the product greater than 3%:

Fatty acids, tallow, calcium salts 64755-01-7

Hydrotreated heavy praffinic dist. 64742-54-7

California Proposition 65: WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects, or other reproductive harm: None known

Canadian WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

Canadian WHMIS Class: D2A

Component RCRA Classifications: Not Regulated

Component RCRA Codes: No information

CERCLA RQ Value (Minimum): none

ChiP Supply Label Risk Safety Phrases: None Required

ChiP Supply Label Safety Phrases: None Required

ChiP Supply Label Symbols: No information

---

MSDS Data

C5-A ANTISEIZE

PS03434

---

---

OTHER INFORMATION

HMIS Ratings: Health=1 Flammability=1 Reactivity=0  
Previous MSDS Revision Date: 01/22/96 Reason for Revision: Update silica information

Legend: N.A.=Not applicable, N.E.=Not established, N.D.=Not determined  
Abbreviations: ACGIH-American Conference of Governmental Industrial Hygienists; OSHA=US Occupational Health and Safety Administration; UK=United Kingdom; TLV/TWA=Threshold Limit Value-Time Weighted Average (8 hrs), STEL=Short Term Exposure Limit (15 min); C=ceiling value; PEL=Permissible Exposure Limits

DISCLAIMER: To the best of our knowledge, the information contained in this MSDS is accurate or is obtained from sources believed to be accurate. However, no liability, express or implied, is assumed for the accuracy or completeness of the information contained herein. Buyer assumes liability for in its use of the material.

---

---

