550®
NONMETALLIC ANTI-SEIZE COMPOUND

DESCRIPTION

550® Anti-Seize Compound is a premium formulation for a wide variety of applications over a wide temperature range. **550** is the ideal product for petrochemical plants' maintenance needs. Its homogeneous composition offers maximum protection against seizure and heat freeze, eases assembling and dismantling, and saves man hours. It assures protection against rust, oxidation, and corrosion. It will not harden, evaporate, or settle out; and it requires no thinning.

550 contains carefully balanced proportions of molybdenum disulfide (MoS_2), graphite, and low friction fillers in an aluminum complex base grease that is fortified with effective rust and corrosion inhibitors. Each principal anti-seize, low-friction ingredient has important properties and characteristics.

Molybdenum disulfide (MoS_2) has an affinity for ferrous metals, bonds itself to steel working surfaces and offers protection from frictional wear and fret corrosion while sustaining lubrication. Graphite provides extreme pressure characteristics.

The aluminum-complex base grease in **550** contains **JET-LUBE's CZ-EX®**, an extreme pressure additive. This package increases performance because it maintains the proper dispersion and suspension of solid ingredients.

- Lead Free
- Protects against seizure, heat freeze, galling, rust, and corrosion
- Lowers friction; reduces wrench torque
- Provides easy makeup and breakout
- Reduces maintenance costs
- Not affected by contraction, expansion, or vibration
- Will not run, drip, or settle out
- Color: Steel Blue

APPLICATIONS

Use **550** on:

Tubular	Threads	Flange Faces	Keyways Keys
Gaskets	Slides	Guides	Fittings

Well suited for steel and aluminum. **550** works equally well on stainless steel, cast iron, titanium, copper, brass, alloys, plastic, and gasket materials. **550** is an effective anti-seize on LPG and other gases. For sealing applications, use **V-2®**.

NOTE: Not for use on oxygen lines.

CONFORMS TO:	*SERVICE RATING:*
Military Specification MIL-PRF-907E	-65°F (-54°C) to 2400°F (1316°C)

PRODUCT CHARACTERISTICS

Thickener	Aluminum Complex
Fluid Type	Petroleum
Color/Appearance	Steel Blue/Smooth Paste
Dropping Point (ASTM D-566)	450°F (232°C)
Specific Gravity	1.19
Density (lb/gal)	9.90
Oil Separation	<5.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1 - 1½
Penetration @77°F (ASTM D-217)	300 - 330
K-Factor	0.16
7/8" B-7 Studs w/2H Nuts	
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
Weld Point, kgf	500
Load Wear Index	100
Salt Fog Resistance	+200
20% NaCl @ 100°F, Hrs. Free of Corrosion (ASTM B-117)	

PACKAGING

Code No.	Container Size	Container
15555	¼ lb.	Brush Top can
15502	½ lb.	Brush Top can
15504	1 lb.	Brush Top can
15507	2 lb.	Plug Top can
15523	10 lb.	Pail
15515	50 lb.	Pail
15524	150 lb.	Drum
15529	500 lb.	Drum

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.

CORPORATE LOCATIONS

ReinhardOil.dk
Helleruplund Alle 8
DK-2900 Hellerup
Tel: +45 70 26 70 07
CVR 32659470
www.reinhardoil.dk

JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

I

Product Name: 550®
NATO Stock Number: 8030-21-579-1625 (4 oz.)
Chemical Family: Anti-seize (MIL-PRF-907E) and lubricant.
Use: Equipment lubrication, lubricant for threaded connections or slides.

Supplier:

ReinhardOil.dk
Helleruplund Alle 8
DK-2900 Hellerup
Tel: +45 70 26 70 07
CVR 32659470
www.reinhardoil.dk

II

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum oil	64742525/64742014	40-60	Oil mist TWA-5mg/m³	N/A	STEL: 10mg/M³
Nonhazardous Blend	1317335/82980549 1317653/1314132 7782425	40-60	UN	UN	UN

III

Main Hazards–Health Effects **Eyes:** May cause irritation. **Inhalation:** Viscous nature may block breathing passages if inhaled. **Ingestion:** May cause diarrhea. **Skin:** For hypersensitive persons, may irritate the skin after prolonged periods of contact.

IV

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. **Inhalation:** Clear air passage. If respiratory difficulty continues, seek medical help. **Ingestion:** Wash out mouth immediately. Consult physician. **Skin:** Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

V

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist.
Unsuitable Extinguishing Media: Water jet. **Protective Equipment for Fire fighting:** Self-contained breathing apparatus.

VI

Personal Precautions: Wear gloves & protective overalls. **Environmental Precautions:** Do not allow it to enter drains.
Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

VII

Handling: No special handling precautions necessary. **Storage:** Do not store at elevated temperatures.

VIII

Respiratory Protection: None needed. **Hand Protection:** Protective gloves for hypersensitive persons. **Eye Protection:** Glasses, if applied to parts in motion. **Body Protection:** Overalls.

IX

Physical State: Semisolid paste **Color:** Steel Blue **Odor:** Slight **pH:** Neutral **Boiling Range/Point °F (°C):** <600 (316)
Melting Point °F (°C): >450 (232) **Flash Point (COC) °F (°C):** 430 (221) **Autoignition Temperature °F (°C):** >500 (260)
Explosive Properties: **LEL:** 0.9% **UEL:** 7% **Evaporation Rate (Butyl Acetate):** <0.01 **Partition Coefficient (Log Pow):** N/A
Vapor Pressure (kPa): <0.01 **Percent Volatiles:** Nil **Density (g/cm³):** 1.19 **Flammability:** Not flammable at ambient temperature.
OAR Value: N/A **Oxidizing Properties:** None **Water Solubility:** Slight **Vapor Density:** >4.8

X

Stability: Chemically stable under normal conditions. No photoreactive agents. **Conditions to Avoid:** Powerful sources of ignition and extreme temperatures. **Materials to Avoid:** Strong inorganic & organic acids, oxidizing agents.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon and sulfur. Burning aerosol could result in halogenated by-products. Residue mainly comprised of soot & mineral oxides.

XI

Acute Toxicity: Not known. **Irritancy–Skin:** Very mild. **Skin Sensitization:** Not known. **Genotoxicity:** None known.
Subacute/Sub-chronic Toxicity: Not known. **Chronic Toxicity:** None known. **Carcinogen:** **NTP:** No **IARC:** No **OSHA:** No
California Prop 65: N/A **EC Class (67/548/EEC):** No **LC-50:** >2000mg/l-extrapolated from component data. **LD-50:** N/A **Allergens:** None known.

XII

Possible Effects: In extreme cases, may gernerate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly unlikely. **Behavior:** Relatively well behaved. Bioaccumulation potential nil. **Environmental Fate:** Highly unlikely to cause wide-spread contamination. Nontoxic to marine or land organisms.

XIII

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. **Container Disposal:** Pails without liner–see Product Disposal section above. Pails with plastic liner–pail may only be disposed of via standard waste disposal services, recycled or reused. Liner–see Product Disposal section above.

XIV

DOT: Consumer Commodity ORM-D **UN No.:** Bulk Nonhazardous Aero 1950, Class 2.2 **Air Transport (ICAO & IATA):** Bulk Nonhazardous Aero Hazardous-pressurized container **Sea Transport (IMO & IMDG):** Bulk Nonhazardous Aero 1950, Class 2.2
Road & Rail Transport (ADR/RID): Bulk Nonhazardous Aero Class 2.2, Aerosols

XV

Labeling Information: None needed **EC Annex 1 Classification:** Not Applicable. **R Phrases:** R22—harmful if swallowed.
S Phrases: None applicable, as known. **Ozone Depleting Chemicals:** Not applicable. **TSCA:** All components are listed.
WHMIS (Canada): Bulk Not controlled. Aero Class A, B-5 **Canadian DSL:** All components listed. **40 CFR Part 372 (SARA 313):** N/A
CERCLA: Nonhazardous **RCRA Hazard Class:** Nonhazardous **SARA 311/312:** None **TSCA 12B Components:** None

XVI

SDS first issued. SDS data revised. **New Jersey Right To Know:** See Section II

Signature: _____
Prepared by: Donald A. Oldiges
Date Issued: June 1, 2006

As of issue date, the information contained herein is accurate and reliable to the best of **JET-LUBE'S** knowledge. **JET-LUBE®** does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND

I. Identification of the substance/preparation and company
II. Composition information on ingredients
III. Hazards identification
IV. First aid measures
V. Fire fighting measures
VI. Accidental release measures
VII. Handling and storage
VIII. Exposure control/personal protection
IX. Physical and chemical properties
X. Stability and reactivity
XI. Toxicological information
XII. Ecological information
XIII. Waste Disposal
XIV. Transport information
XV. Regulatory Information
XVI. Other information

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	N/A

NFPA SYMBOL