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Material Safety Data Sheet

Kaeser Compressors, Inc.

3760 La Verendrye, Boisbriand, QC Canada J7H 1R5

I. Product Name: **SIGMA S-460 Synthetic Air Compressor Fluid** Date Issued/Revised: March 29, 2004
 Chemical Family: Synthetic based lubricant
 Use: Lubricant and corrosion inhibitor
 Manufacturer: Royal Purple, Ltd.
 Address: 1 Royal Purple Lane, Porter, Texas 77365 USA
 Phone: 281-354-8600 Emergency Phone: 281-354-8600 Fax: 281-354-7600

II. Component:	CAS Number:	Percentage:	} ACGIH TLV 5mg/m ³ as mist
• Poly Ester Synthetic	68515-49-1	5 to 10%	
• Poly Alpha Olefin Synthetic	68037-01-4	75 to 80%	
• Hydrogenated ISO-Paraffin	64742-54-7	10 to 15%	
• Synthetic Oxidation Inhibitor	68921-45-9	0.5 to 1%	
• Synthetic Corrosion Inhibitor	28015-99-8	0.5 to 1%	
• Synthetic Ashless EP Additive	68511-50-2	1.0 to 5%	
• Synthetic Oxidation Inhibitor	41484-35-9	0.5 to 1%	

This product contains no hazardous substance within the definition of OSHA Regulation 29 CFR 1910.1200.

III. Main Hazards / Health Effects:
 Eyes: May cause irritation.
 Inhalation: Hydrocarbon mist may line breathing passages with oil making breathing difficult.
 Ingestion: May cause diarrhea.
 Skin: May irritate the skin after prolonged periods of contact.

IV. First Aid:
 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. Do not induce vomiting. Consult physician.
 Skin: Wash thoroughly with hand cleanser, followed by soap and water. Contaminated clothing should be dry cleaned before reuse.

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

VI. Accidental Release Measures:
 Personal Precautions: Wear gloves and protective overalls.
 Environmental Precautions: Do not allow it to enter drains.
 Spillage: Contain spill and keep from entering waterways. Absorb on porous material. Large quantities can be pumped.

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

VIII. Exposure Control / Personal Protection:
 Respiratory Protection: Hydrocarbon absorbing respirator if misting.
 Hand Protection: Oil-proof gloves for hypersensitive persons.
 Eye Protection: Glasses, if applied to parts in motion.
 Body Protection: Overalls.

IX. Physical and Chemical Properties:	Evaporation Rate (Butyl Acetate): Negligible
Physical State: Liquid	Vapor Pressure (kPa): <0.01
Color: Golden	Percent Volatiles: None
Odor: Mild Hydrocarbon	Density (g/cm ³): >0.86
pH: Neutral	Flammability: Not flammable at ambient temp.
Boiling Range / Point °F (°C): >700 (>371)	Oxidizing Properties: None
Pour Point °F (°C): <-50 (<-46)	Water Solubility: Insoluble
Flash Point (COC) °F (°C): >460 (>238)	Vapor Density: Greater than air
Autoignition Temperature °F (°C): >600 (>315)	

Product Name: **SIGMA S-460 Synthetic Air Compressor Fluid**

X. Stability and Reactivity:
Stability: Chemically stable under normal conditions. No photoreactive agents.
Conditions to Avoid: Powerful sources of ignition and extreme temperatures.
Materials to Avoid: Strong inorganic and organic acids, oxidizing agents.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur and nitrogen. Residue mainly comprised of soot and mineral oxides.

XI. Toxicological Information:
Acute Toxicity: Not known
Irritancy-Skin: Very mild
Skin Sensitization: Not known
Subacute / Sub-chronic Toxicity: Not known
Genotoxicity: None known
Chronic Toxicity: None known

California Prop 65: N/A
Carcinogen: NTP: No
IARC: No
OSHA: No
EC Classification (67 / 548 / EEC): No
LC-50: >2000mg/l - extrapolated from component data
LD-50: Not applicable

XII. Ecological Information:
Possible Effects: In extreme cases, may generate 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: Due to its fluid nature and specific gravity, this product will float or spread across water making it a nuisance contaminant. It is not thought to be toxic to marine or land organisms.

XIII. Waste and Container Disposal:
Waste Disposal: Consider recycling. This product, as sold, does not meet the RCRA characteristics of a hazardous waste. Under RCRA, it is the responsibility of the user, at the time of disposal, to determine whether the product meets the RCRA criteria for hazardous waste. Contact a waste disposal company or local authority for advice.
Container Disposal: See waste disposal section listed above.

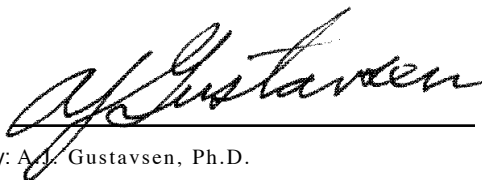
XIV. Transport Information:
DOT: Nonhazardous
UN No.: N/A
DOT: Nonhazardous

Air Transport (ICAO, IATA): Bulk Nonhazardous
Sea Transport (IMO, IMDG): Bulk Nonhazardous
Road and Rail Transport (ADR / RID): Bulk Nonhazardous

XV. Regulatory Information:
Labeling Information: None needed
EC Annex 1 Class.: N/A
R Phrases: N/A
SARA 311 / 312: None
S Phrases: S-3 keep cool, S-16 keep away from ignition sources
Ozone Depleting Chemicals: N/A

CERCLA: Nonhazardous
TSCA: All components are listed
WHMIS (Canada): Not regulated
Canadian DSL: All components are listed
40 CFR Part 372 (SARA Section 313): N/A
RCRA Hazard Class: Nonhazardous
TSCA 12B Components: None

XVI. Other Information:

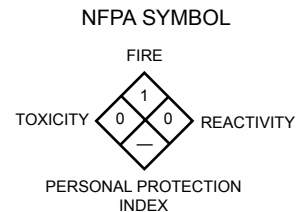
Signature: 

Prepared By: A. J. Gustavsen, Ph.D.

Date Issued/Revised: March 29, 2004

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LEGEND	
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II.	Composition Information on Ingredients
III.	Hazards Identification
IV.	First Aid Measures
V.	Fire Fighting Measures
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X.	Stability and Reactivity
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XII.	Ecological Information
XIII.	Waste Disposal
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XVI.	Other Information



HMIS SYMBOL

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PPI	N/A