

# Vacuum Pumps and Systems

Busch, Inc. 516 Viking Drive, Virginia Beach, Virginia 23452



## MATERIAL SAFETY DATA SHEET

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### SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Product/Material:	Busch R-570 Vacuum Pump Oil	Emergency Telephone No.
Manufacturer:	Busch, Inc.	Chemtrec: (800) 424-9300
Address:	516 Viking Drive Virginia Beach, VA 23452	Non-emergency Telephone No. Busch, Inc. (757) 463-7800
Trade Name and Synonyms:	Busch R-570 Vacuum Pump Oil	
Chemical Family:	Synthetic Hydrocarbon	
Chemical Name:	Polyalphaolefin	
Formula:	$C_{10n}H_{20n+2}$	
CAS Number:	Proprietary	
Warning Statement:	This product is non-hazardous and contains no known carcinogens. No special warning labels required under OSHA 26 CFR 1910.1200.	

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### SECTION II - SAFE HANDLING AND STORAGE

Safe Handling and Storage:	Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin, wash with soap and water. Flush eyes with water for 15 minutes and consult physician. Wash contaminated clothing before reuse.
Storage:	Keep container tightly sealed when not in use.

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### SECTION III - PHYSICAL DATA

Appearance:	Clear liquid, yellow to light brown tint
Boiling Point:	>300°F
Vapor Pressure:	<0.01mmHg @ 20°C
Specific Gravity (water=1):	0.83 - 0.85
Volatiles, Percent by Volume:	0%
Odor:	little or none
Solubility in Water:	Insoluble
Evaporation Rate (butyl acetate=1):	Nil

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#### SECTION IV - FIRE AND EXPLOSION HAZARDS

Flash Point (Cleveland Open Cup):	500-550°F
Flammable Limits:	not established
Autoignition Temperature:	no data
HMIS Ratings:	Health: 0    Flammability: 1    Reactivity: 0
NFPA Ratings:	not established
Extinguishing Media:	Dry chemical; CO <sub>2</sub> foam; water spray (fog)
Unusual Fire and Explosion Hazards:	None
Special Fire Fighting Techniques:	Burning fluid may evolve irritating/noxious fumes. Firefighters should use NIOSH/MNSA-approved self-contained breathing apparatus. Use water to cool fire-exposed containers. Use water carefully near exposed liquid to avoid frothing and splashing of hot liquid.

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#### SECTION V - REACTIVITY DATA

Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatible Materials:	Strong Oxidizers
Conditions to Avoid:	Excessive heat
Hazardous Decomposition Products:	Analogous compounds evolve carbon monoxide, carbon dioxide and other unidentified fragments when burned. See Section IV.

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#### SECTION VI - HEALTH HAZARD DATA

Threshold Limit Value:	5mg/m <sup>3</sup> ACGIH
Situations to Avoid:	Avoid breathing oil mist fumes
Ingestion:	Consult physician at once. DO NOT INDUCE VOMITING. May cause nausea and diarrhea.

Inhalation: Product is not toxic by inhalation. If oil mist is inhaled, remove to fresh air and consult physician.

Notice: To the best of our knowledge the toxicity of this product has not been fully investigated. Analogous compounds are considered to be essentially non-toxic.

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#### SECTION VII - PERSONAL PROTECTION EQUIPMENT

Respiratory Protection: Use in well ventilated area

Ventilation: Local exhaust

Protective Gloves: Not required, but recommended, especially for prolonged exposure.

Eye/Face Protection: Goggles.

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#### SECTION VIII - SPILL OR LEAK PROCEDURES

In case of spill: Wear suitable protective equipment, especially goggles. Stop source of spill. Dike spill area. Use absorbent materials (sand, sawdust or commercially available material) to soak up fluid. Wash spill area with large amounts of water. Properly dispose of all materials.

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#### SECTION IX - WASTE DISPOSAL METHODS

Incinerate this product and all associated wastes in a licensed facility in accordance with Federal, State and local regulations.