

Vacuum Pumps and Systems

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



MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Product/Material:	Busch R-605 Food Grade Vacuum Pump Oil	Emergency Telephone No. Chemtrec: (800) 424-9300
Manufacturer:	Busch, Inc.	Non-emergency Telephone No.
Address:	516 Viking Drive Virginia, Beach, VA. 23452	Busch, Inc. (757) 463-7800
Trade Name and Synonyms:	R-605 Oil, Food Grade Vacuum Pump Oil Busch Part Number 0831.910.871 (1 quart bottle) Busch Part Number 0831.910.872 (1 gallon container) Busch Part Number 0831.910.873 (5 gallon bucket) Busch Part Number 0831.910.874 (55 gallon drum)	

SECTION II - COMPOSITION/INGREDIENTS

Chemical Name:	Polyalphaolefin
Chemical Family:	Synthetic Hydrocarbon
Formula:	$C_{10n}H_{20n+2}$
CAS No.:	Proprietary

SECTION III - COMPONENTS AND HAZARD STATEMENT

Hazard Statement:	The product contains no known carcinogens. No special warning labels are required under OSHA 29 CFR 1910.1200.
FDA Statement:	This product complies with FDA 21 CFR 178.3570 regarding lubricants for incidental food contact. H1 approved.

SECTION IV - SAFE HANDLING AND STORAGE

Handling:	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.

SECTION V - PHYSICAL DATA

Appearance:	Clear liquid, yellow to light brown tint
Boiling Point:	>300°F
Vapor Pressure:	<0.01 mm Hg @ 20°C

Specific Gravity (water = 1): 0.79-0.85
Volatiles, Percent by Volume: 0%
Odor: None
Solubility in Water: Insoluble
Evaporation Rate
(butyl acetate = 1): Nil.

SECTION VI - FIRE AND EXPLOSION HAZARDS

Flash Point
(Cleveland Open Cup): 425°F

Flammable Limits: Not established

Auto-ignition Temperature: No data

HMIS Ratings: Health: 0 Flammability: 1 Reactivity: 0

NFPA Ratings: Not established

Extinguishing Media: Dry chemical; CO₂ foam; water spray (fog)

Unusual Fire and
Explosion Hazards: None

Special Firefighting 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.

SECTION VII - 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 VI.

SECTION VIII - HEALTH HAZARD DATA

Threshold Limit Value:	5 mg/m ³ ACGIH
Situations to Avoid:	Avoid breathing oil mists
First Aid Procedures:	
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.
Toxicity:	To the best of our knowledge, the toxicity of this product has not been full investigated. Analogous compounds are considered to be essentially nontoxic.

SECTION IX - PERSONAL PROTECTION INFORMATION

Respiratory Protection:	Use in well ventilated area.
Ventilation:	Local exhaust.
Protective Gloves:	Not required, but recommended, especially for prolonged exposure.
Eye/Face Protection:	Goggles.

SECTION X - SPILL OR LEAK PROCEDURES

In Case of Spill:	Wear suitable protective equipment, especially goggles. Stop source of spill. Dike spill area. Use absorbent materials to soak up fluid (i.e., sand, sawdust, and commercially available materials). Wash spill area with large amounts of water. Properly dispose of all materials.
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SECTION XI - WASTE DISPOSAL METHODS

Method of Disposal:	Incinerate this product and all associated wastes in a license facility in accordance with federal, state, and local regulations.
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