

Vacuum Pumps and Systems

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



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product/Material:	Busch R-130 Mink & Merlin Gear 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:	Busch R-130, Mink & Merlin Gear Oil, Busch Part No. 0831.128.556	
Chemical Family:	Synthetic hydrocarbons and additives	

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Composition:	Highly refined mineral oil (IP 346 DMSO extract <3%). Proprietary performance additives. Product does not contain any hazardous ingredients at or above regulated thresholds.
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SECTION III - HAZARDS IDENTIFICATION

Hazards:	
Physical/chemical:	None classified as dangerous.
Human health:	None classified as dangerous.
Environmental:	Unlikely to be harmful to aquatic organisms.
Eyes, skin, inhalation or ingestion:	No significant health hazards identified.

This material is not considered to be hazardous, but should be handled in accordance with good industrial hygiene and safety practices.

SECTION IV - FIRST AID MEASURES

Eye Contact:	Flush eyes immediately with copious quantities of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin Contact:	Immediately flush skin with plenty of water. Remove contaminated clothing. Wash clothing before reuse. Get medical attention if irritation develops.
Inhalation:	Remove to fresh air. Get medical attention if symptoms appear.
Ingestion:	DO NOT INDUCE VOMITING unless directed to do so by medical personnel. If large quantities of this material are swallowed, call a physician immediately.
Notes to physician:	Treatment should in general be symptomatic and directed to relieving any effects.

SECTION V - FIREFIGHTING MEASURES

Firefighting Measures: Use water fog, foam, dry chemical or CO₂ extinguisher or spray. DO NOT USE water jets. Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Hazardous decomposition products: These products are carbon oxides (CO, CO₂).

Unusual fire/explosion hazards: none identified.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal precautions: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment per Section VIII. Follow all fire fighting procedures in Section V.

Environmental precautions
And cleanup methods: If emergency personnel are not available, contain spilled material. Small spills may be cleaned up with sawdust or commercially available absorbent materials. Large spills should be diked until material can be cleaned up. Minimize runoff of material into waterways. See Section 13 for Waste Disposal Information and dispose of in accordance with local and federal regulations.

Personal protection in case
of a large spill: Splash goggles. Full suit. Boots. Gloves.

SECTION VII - HANDLING AND STORAGE

Handling: Wash thoroughly after handling.

Storage: Keep container tightly closed and in a cool, well-ventilated area.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: None assigned.

Control measures: Provide exhaust ventilation to keep airborne concentrations of vapors below their respective occupational exposure limits. Ensure eyewash stations and safety showers are close to the workstation.

Hygiene measures: Wash hands after handling compounds and before eating, smoking, using lavatory and at the end of the day.

Personal protective equipment:

- Respiratory system: none required, but good ventilation recommended.
- Skin and body: none required, but protective clothing recommended.
- Hands: none required, but use of gloves recommended.
- Eyes: Safety glasses with side shields or goggles.

SECTION IX- CHEMICAL AND PHYSICAL PROPERTIES

Flash point:	235°C (455°F) (open cup) Cleveland.
Color:	Clear to amber.
Odor:	Slight.
Physical state:	Liquid.
Density:	0.87 g/cm ³ @ 15°C (59°F).
Solubility:	Insoluble in water.
Viscosity:	Kinematic at 40°C (104°F), 220 cSt.
Dispersion properties:	Is not dispersed in cold water, hot water.

SECTION X - STABILITY AND REACTIVITY

Reactivity:	Reactive with oxidizing agents.
Hazardous polymerization:	Will not occur.

SECTION XI - TOXICOLOGICAL DATA

Acute toxicity:

Eyes:	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.
Skin:	Unlikely to cause harm to the skin on brief or occasional contact, but prolonged or repeated exposure may lead to dermatitis.
Ingestion:	Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhea.
Inhalation:	At normal ambient temperatures, this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapor, mists, or fumes resulting from thermal decomposition products occurs.
Carcinogenic effects:	No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH, IARC or the EC.

SECTION XII - ECOLOGICAL INFORMATION

Persistence and Degradability:	Inherently biodegradable.
Mobility:	Spillages may penetrate the soil, causing ground water contamination.
Bioaccumulative Potential:	Not expected to bioaccumulate through food chains in the environment.

Environmental hazards: Unlikely to be harmful to aquatic organisms.

Other ecological information: Spills may form a film on water surfaces, causing physical damage to organisms. Oxygen transfer could also be impaired.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal: Where possible, arrange for product to be recycled. Dispose of via an authorized person/licensed waste disposal contractor in accordance with local regulations. Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.

SECTION XIV - TRANSPORT INFORMATION

Not classified as hazardous for transport (ADR, RID, UN, IMO, IATA/ICAO).

SECTION XV - REGULATORY INFORMATION

Label requirements:

Risk phrases:

This product is not classified according to the EU regulations. Classification and labeling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted - industrial applications.

Other regulations:

Inventories:

Australian Inventory (AICS): in compliance
Canada Inventory (DSL): not determined
China Inventory (IECS): not determined
EC Inventory (EINECS): in compliance
JAPAN Inventory (ENCS): not determined
Korea Inventory (ECL): not determined
Philippine Inventory (PICCS): not determined
US Inventory (TSCA): in compliance
