

MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

General Product Name: Paraffin Repellent
 Synonyms: None
 Product Description: Bio-based Cleaning Product
 CAS Number: Mixture
 ASTM: BMD 4859-97
 Manufacturer: Rankin Biomedical
 10399 Enterprise Dr.
 Davisburg, MI 48350

Section 2: Hazards Identification

Appearance: Slightly Viscous Liquid, Milky White
 Odor: Faint
 Principal Hazards: This material has no known health hazards

As defined by OSHA's Hazard Communication Standard, this product is Non-Hazardous

Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number
Filtered Water	7732-18-5
Organic Silicone	Compound
Propylene Glycol	Compound
Plant Oil Fatty Acids	Proprietary
Plant Oils	Proprietary
Vegetable Extracts	Proprietary
Potassium Sorbate	24634-61-5

Section 4: First Aid Measures

Eyes: No evidence of adverse effect.
Skin or Skin Absorption: No evidence of adverse effect.
Inhalation: No evidence of adverse effect.
Ingestion: No evidence of adverse effect.
Potential Health Effects: No evidence of adverse effect.
Chronic Effects: No evidence of adverse effect.
Medical Conditions: No evidence of adverse effect.
Aggravated by exposure: None known.
Additional Information: Note to physician: No specific Instructions.
See Section 11 for Toxicology and Carcinogenicity information on product ingredients

Section 5: Fire Fighting Measures

F lammable Properties: As defined by OSHA, this product is non-flammable.
Flash Point: None (TCC)
Auto ignition Temperature: NE
Firefighting Procedures: No special precautions needed.
Explosion Sensitivity to Impact: None
Unusual Fire & Explosion Hazards: Not determined.
This material will not burn. Use extinguishing media appropriate for surrounding fire.

Section 6: Accidental Release Measures

Personal Precautions: Evacuate the area as the floor may be slippery. Use care to prevent spills and falls.
Method for Cleanup: Rinse area thoroughly with water. This product is safe to wash into waste systems.

Section 7: Handling and Storage

Handling Procedures: No special procedures needed.
Storage Procedures: Store in a cool, well-ventilated area. Avoid low temperatures.

Section 8: Exposure Controls/Personal Protection

Exposure Limits:	All components have vacated values for exposure or hazard due to denaturing when added to proprietary base compound.
Engineering Controls:	None Required.
Gloves Procedures:	None Required.
Eye Protection:	None Required.
Respiratory Protection:	None Required.
	Clothing Recommendation: None Required. Other Safety Equipment: None Required.

Section 9: Physical and Chemical Properties

Physical State:	Liquid
Explosion Data:	Not Established
Vapor Pressure:	Not Established
pH:	9.7
Specific Gravity @ 60° F:	1,001
Water Solubility:	Complete
Percent Volatile:	Not Established
Volatile Organic Compound:	VOC levels of DDC by weight of the cleaner do not exceed 10% in accordance with 40 CFR parts 9 and 59
Vapor Density:	Not Established
Evaporation Rate:	Not Established
Odor:	Faint Odor
Appearance:	Milky White Liquid
Viscosity:	Slightly Viscous
Boiling Point:	214°F
Freezing Point:	25°F

Section 10: Stability and Reactivity

Stability:	Stable
Decomposition Temp.:	Not Established
Incompatibility:	None Known
Polymerization:	Will not occur
Conditions to Avoid:	Not determined

Section 11: Toxicological Information

*ACUTE EXPOSURE *

Eye Irritation:	None
Skin Irritation:	None
Respiratory Irritation:	None
Dermal Toxicity:	None
Inhalation Toxicity:	None
Oral Toxicity:	None
Dermal Sensitization:	None
Inhalation Sensitization:	None

CHRONIC EXPOSURE

Chronic Toxicity:	None
Carcinogenicity:	This product does not contain any known or suspected human carcinogens.
Mutagenicity:	None
Reproductive Toxicity:	None
Teratogenicity:	None

ADDITIONAL INFORMATION

Other:	No other health hazards known.
--------	--------------------------------

Section 12: Ecological Information

ENVIRONMENTAL TOXICITY

Freshwater Fish Toxicity:	None
Freshwater Invertebrates Toxicity:	None
Algal Inhibition:	None
Saltwater Fish Toxicity:	None
Saltwater Invertebrates Toxicity:	None
Bacteria Toxicity:	None
Miscellaneous Toxicity:	None

ENVIRONMENTAL FATE

Biodegradation:	This product is readily biodegradable
Bioaccumulation:	This material displays no potential to bio concentrate.

Section 13: Disposal Considerations

Waste Disposal: Chemicals contained are not listed as hazardous waste. Safe to wash into waste systems. Always dispose as per Federal, State or Local regulations.

Section 14: Transport Information

ICAO/IATA (US):	Not regulated
ICAO/IATA (International):	Not regulated
IMDG:	Not regulated
IMDG EMS Fire:	Not applicable
IMDG EMS Spill:	Not applicable
IMDG MFAG:	Not applicable
IMO Marine Vessel:	Not applicable
US Barge:	Not applicable
USCG Compatibility:	Not determined
U.S. DOT Bulk:	Not regulated
U.S. DOT Non-bulk:	Not regulated
DOT NAERG:	Not applicable
TDG Bulk:	Not regulated
TDG Non-bulk:	Not regulated
Mexico:	Not regulated
Mexico Non-bulk:	Not regulated
Bulk Quantity:	85000 liters, 22457 gal.
Non-bulk Quantity:	207.8 liters, 55 gal.

Review classification requirements before shipping materials at elevated temperatures.

Section 15: Regulatory Information

	Global Chemical Inventories
USA:	All ingredients in this product are exempt.
OTHER TSCA Reg.:	None known
EU:	All components are in compliance with the EC Seventh amendment directive 92/32/EEC
	Other U.S. Federal Regulations
SARA Ext. Haz. Subst.:	This product does not contain any chemical substance on

the SARA Extremely Hazardous Substances list.

SARA Section 313: This product does not contain any chemical substances listed
 SARA 311 Classification: under SARA Section 313.

Acute Hazard	No
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

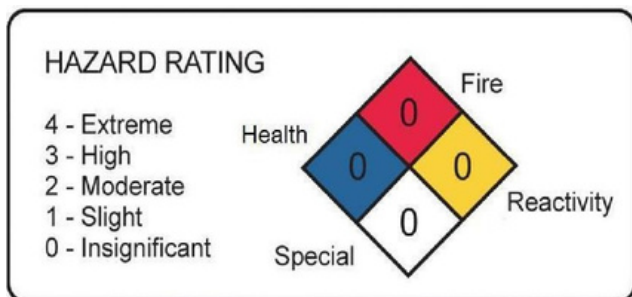
CERCLA Hazardous Substances: None Known
 FDA Approval: Not Applicable

Product Registrations

U.S. Fuel Registration: Not applicable
 U.S. Dept of Agriculture: Not registered
 NSF Nonfood Compounds Registration: Not registered
 Finnish Registration: Not registered
 Swedish Registration: Not registered
 Norwegian Registration: Not registered
 Danish Registration: Not registered
 Swiss Registration: Not registered
 Italian Registration: Not registered

Korean Registration: Not registered
 New Zealand Registration: Not registered
 TDG Regulated Limit: None known

Section 16: Other Information



US NFPA Codes:

Health	Fire	Reactivity	Special
0	0	0	None Established

HMIS Codes:

Health	Fire	Reactivity
0	0	0

Precautionary Labels:

“This material has no known health hazards”

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of Rankin Biomedical’s knowledge; however, Rankin Biomedical makes no warranty whatsoever, expressed or implied of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from use thereof. Rankin Biomedical assumes no responsibility for injury to recipient or to third persons for any damage to any property and recipient assumes all such risks.