

Material Safety Data Sheet



Revision Number: 002.1

Issue date: 10/15/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: FREKOTE AQUALINE R-180 5 GA BO
Product type: Mold Release
Company address: Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

IDH number: 437022
Item number: 36535
Region: United States

Contact information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.henkeln.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Liquid, Liquid	HEALTH:	1
Color:	White, Milky	FLAMMABILITY:	0
Odor:	Mild	PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: May cause irritation to nose and throat.
Skin contact: Prolonged or repeated contact may cause irritation.
Eye contact: May cause irritation.
Ingestion: Not expected under normal conditions of use. Not expected to be harmful by ingestion.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Proprietary Resin Blend	Proprietary	1 - 5

Product may contain up to 5% ethanol (CAS# 64-17-5) as a manufacturing byproduct.

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Skin contact: Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Notes to physician: This product contains > 95% water.

5. FIRE FIGHTING MEASURES

Flash point: No flash point up to 100°C. Aqueous preparation.

Autoignition temperature: Not applicable

Flammable/Explosive limits - lower: Not applicable

Flammable/Explosive limits - upper: Not applicable

Extinguishing media: Not applicable. Product is an aqueous dispersion.

Special firefighting procedures: None

Unusual fire or explosion hazards: None

Hazardous combustion products: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: Do not allow product to enter sewer or waterways. Prevent further leakage or spillage if safe to do so.

Clean-up methods: Wet surfaces may be slippery. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling: Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. Do not wear contact lenses. For operations where eye or face contact could occur, provide safety shower and eyewash fountain.

Storage: Keep in a cool, well ventilated area. Keep container closed. Store in original container until ready to use.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Proprietary Resin Blend	None	None	None	None

Engineering controls: Ensure adequate ventilation, especially in confined areas.

Respiratory protection: Not normally required.

Eye/face protection: Safety goggles or safety glasses with side shields. Wear chemical goggles; face shield (if splashing is possible). Safety showers and eye wash stations should be available.

Skin protection: Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid, Liquid
Color: White, Milky
Odor: Mild
Odor threshold: Not available
pH: 4 Approximately
Vapor pressure: Not applicable
Boiling point/range: 100 °C (212°F)
Melting point/ range: Not applicable
Specific gravity: 1 Approximately
Vapor density: Not applicable
Flash point: No flash point up to 100°C. Aqueous preparation.
Flammable/Explosive limits - lower: Not applicable
Flammable/Explosive limits - upper: Not applicable
Autoignition temperature: Not applicable
Evaporation rate: Same as water.
Solubility in water: Soluble
Partition coefficient (n-octanol/water): Not available
VOC content: 2.2 % (calculated)

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous reactions: None under normal processing.
Hazardous decomposition products: None reasonably foreseeable.
Incompatible materials: Avoid contact with materials sensitive to water.
Conditions to avoid: Store away from incompatible materials.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Proprietary Resin Blend	No	No	No

Hazardous components	Health Effects/Target Organs
Proprietary Resin Blend	Irritant, Corrosive

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.
Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

The shipping classifications in this sections are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/MDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12(b) Export Notification: None above reporting de minimus
CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Immediate Health
CERCLA/SARA 313: None above reporting de minimus
California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
WHMIS hazard class: D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 9

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