

MATERIAL SAFETY DATA SHEET

Trade Name: Johnsens Radiator Stop Leak
MSDS NO. 4918
Revision Date: 05/06/2008
Date Printed: 12/30/2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens Radiator Stop Leak
Chemical Family: SILICATE BLEND
Synonyms: None
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300

Supplier: Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	OSHA TWA	OSHA STEL	OSHA SKIN
Bentonite 1302-78-9	2-3	Not Listed	Not Listed	Not Listed
Diatomaceous Earth 1446-46-1	1-2	Not Listed	Not Listed	Not Listed
Sodium Alkyl Aryl Sulfonate Proprietary	1-2	Not Listed	Not Listed	Not Listed

Component	Weight %	OSHA Z PEL	OSHA Z TWA	OSHA Z Ceiling
Bentonite 1302-78-9	2-3	Not Listed	Not Listed	Not Listed
Diatomaceous Earth 1446-46-1	1-2	Not Listed	Not Listed	Not Listed
Sodium Alkyl Aryl Sulfonate Proprietary	1-2	Not Listed	Not Listed	Not Listed

Component	ACGIH TLV TWA	ACGIH TLV STEL	ACGIH TLV Ceiling
Bentonite 1302-78-9	Not Listed	Not Listed	Not Listed
Diatomaceous Earth 1446-46-1	Not Listed	Not Listed	Not Listed
Sodium Alkyl Aryl Sulfonate Proprietary	Not Listed	Not Listed	Not Listed

Other: Contains no other ingredients in concentrations >.1% that are now known to be hazardous as defined by OSHA.

3. HAZARDS IDENTIFICATION

Emergency Overview: Prolonged or repeated skin contact may cause skin irritation. May cause moderate eye irritation. Avoid contact with skin and eyes. Ingestion of substantial quantity of this product can be a health hazard, possibly fatal.

HMIS Classification: Health: 1 Flammability: 0 Physical Hazard: 0
NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Seek medical attention if irritation persists.
Ingestion: If swallowed, induce vomiting immediately by giving two glasses of water and sticking fingers down throat; never give anything to an unconscious person. Get medical attention.

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4. FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
Skin Contact: Wash with soap and water. Remove contaminated clothing and shoes, and launder before reuse. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point °F(°C): >150 F
Flash Point Method: TAG Closed Cup
Flammable Limits in Air - Lower (%): Not Determined
Flammable Limits in Air - Upper (%): Not Determined
Autoignition Temperature °F(°C): Not Determined
Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.
Protection Of Fire-Fighters:
Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing.
Hazardous Combustion Products: Not determined.
Aerosol Comments: Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact.
Spill Procedures: Contain any liquid from leaking containers. Wear protective equipment specified.
Action to be taken if material is released or spilled: Remove sources of ignition. Persons not trained should evacuate area. Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials.
Environmental Precautions: Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

7. HANDLING AND STORAGE

Handling and Storage: Keep container closed when not in use. Avoid contact with skin and eyes. Keep away from food and smoking materials. Wash hands before eating and smoking. Keep away from heat and open flame. Avoid extreme temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use local exhaust. Showers. Eyewash stations.
Eyes: Wear safety glasses or goggles to protect against exposure.
Skin Protection: Use chemical resistant gloves for prolonged skin contact. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.
Respiratory Protection: Wear a NIOSH approved respirator appropriate for airborne exposure at the point of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown aqueous suspension
Odor: NONE
pH Value: 8 approx.
Vapor Pressure: Not Determined
Vapor Density (Air=1): Not Determined
Boiling Point (°F): 212 F
Melting/Freezing Point: Not determined.
Solubility in Water: SOLUBLE
Bulk Density at 20°C: Not Determined
Molecular Weight: Mixture
Specific Gravity (H2O=1): 1.01 @ 60 F
Viscosity: >1000 SUS @ 100 F
Evaporation Rate: <1
VOC Content(%): Not Determined

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9. PHYSICAL AND CHEMICAL PROPERTIES

Decomposition Temperature: Not Known

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE.
Conditions to Avoid: Keep away from heat, sparks and flame.
Materials to Avoid: Avoid contact with acidic, basic or oxidizing agents.
Hazardous Decomposition Products: Oxides of nitrogen. Oxides of carbon. Oxides of sodium.
Hazardous Polymerization: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Component	Route	Species	Dose
Bentonite 1302-78-9	Inhalation	Rats	Not known.
Diatomaceous Earth 1446-46-1	Inhalation	Rats	Not known.
Sodium Alkyl Aryl Sulfonate Proprietary	Inhalation	Rats	Not known.

Carcinogenicity:

Component	IARC	NTP	OSHA
Bentonite 1302-78-9	Not Listed	Not Listed	Not Listed
Diatomaceous Earth 1446-46-1	Not Listed	Not Listed	Not Listed
Sodium Alkyl Aryl Sulfonate Proprietary	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Remarks: Ecological testing has not been conducted on this product.

13. DISPOSAL CONSIDERATION

Waste Classification: Not determined.
Waste Management: Not determined.
Disposal Method: Disposal should be made in accordance with federal, state and local regulations. It is the ultimate responsibility of the waste generator to determine at the time of disposal whether this product and/or "empty" container residue meets any hazardous waste criteria.

14. TRANSPORTATION INFORMATION

U.S. DOT:
Proper Shipping Name: Not Regulated
Hazard Class: Not Regulated
UN/NA Number: Not Regulated
DOT Packing Group: Not Regulated

IMDG:
Proper Shipping Name: Not Regulated
Hazard Class: Not Regulated
Hazard Subclass: Not Regulated
UN No.: Not Regulated

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14. TRANSPORTATION INFORMATION

Packing Group: Not Regulated
Marine Pollutant: Not Regulated

15. REGULATORY INFORMATION

US Federal Regulations:

Component	SARA 313	SARA 302	TPQ	RQ
Bentonite 1302-78-9	Not Listed	Not Listed	Not Listed	Not Listed
Diatomaceous Earth 1446-46-1	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Alkyl Aryl Sulfonate Proprietary	Not Listed	Not Listed	Not Listed	Not Listed

SARA 311/312 Hazard Categories: Not Determined.

State Regulations:

Component	California Prop. 65 Cancer list	California - Prop 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Bentonite 1302-78-9	Not Listed	Not Listed	Not Listed	Not Listed
Diatomaceous Earth 1446-46-1	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Alkyl Aryl Sulfonate Proprietary	Not Listed	Not Listed	Not Listed	Not Listed

U.S. TSCA: One or more components of this product is not listed on the TSCA Inventory.
Canadian Inventory: One or more components of this product is not listed on the Canadian DSL or NDSL Inventory.

Consumer Product Safety Improvement Act of 2008 General Conformity Certification

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

16. OTHER INFORMATION

General Notes:

Disclaimer:

Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system. The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.