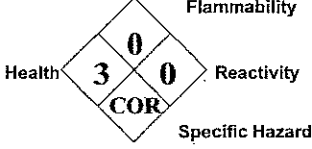




Baker Petrolite

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product Name	BPC 68915	Code	BPC68915
Supplier	Baker Petrolite A Baker Hughes Company 12645 W. Airport Blvd. (77478) P.O. Box 5050 Sugar Land, TX 77487-5050 For Product Information/MSDSs Call: 800-231-3606 (8:00 a.m. - 5:00 p.m. cst, Monday - Friday) 281-276-5400	Version	2.0
Material Uses	Microbiocide.	Effective Date	7/16/2003
24 Hour Emergency Numbers	CHEMTREC 800-424-9300 (U.S. 24 hour) Baker Petrolite 800-231-3606 (North America 24 hour) CANUTEC 613-996-6666 (Canada 24 hours) CHEMTREC Int'l 01-703-527-3887 (International 24 hour)	Print Date	7/16/2003
National Fire Protection Association (U.S.A.)			

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
1) 5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	1-5	TWA: 0.076 STEL: 0.23 (mg/m ³) from Manufacturer.
2) 2-Methyl-4-isothiazolin-3-one	2682-20-4	0.1-1	TWA: 1.5 STEL: 4.5 (mg/m ³) from Manufacturer.
3) Magnesium nitrate	10377-60-3	1-5	Not available.

Section 3. Hazards Identification

Physical State and Appearance	State: Clear. Liquid., Color: Amber., Odor: Pungent.
CERCLA Reportable Quantity	Not applicable.
Hazard Summary	DANGER. May cause chronic effects. May be corrosive to eyes, skin and respiratory tract. May be toxic by skin absorption. May cause skin sensitization (allergic reaction). May cause central nervous system (CNS) effects if inhaled.
Routes of Exposure	Skin (Permeator), Skin (Contact), Eyes, Inhalation.
Potential Acute Health Effects	<p><i>Eyes</i> May be corrosive to the eyes. May cause eye burns and permanent eye injury.</p> <p><i>Skin</i> May be corrosive. Skin contact may produce burns. Skin sensitizer. May cause allergic skin reactions with repeated exposure. May be toxic if absorbed through the skin</p> <p><i>Inhalation</i> May cause central nervous system (CNS) effects if inhaled. May be irritating to lungs.</p> <p><i>Ingestion</i> Not considered a likely route of exposure, however, may be corrosive if swallowed.</p>
Medical Conditions aggravated by Exposure	Exposure to this product may aggravate medical conditions involving the following: respiratory tract, skin/epithelium, eyes.
See Toxicological Information (section 11)	
<i>Continued on Next Page</i>	

Additional Hazard Identification Remarks Draize Test Skin (Rabbit): Extreme Irritant. Draize Test Eye (Rabbit): Extreme Irritant.

Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.
Skin Contact	Remove contaminated clothing and shoes immediately. Wash affected area with soap and mild detergent and large amounts of water until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention immediately.
Inhalation	Remove to fresh air. Oxygen may be administered if breathing is difficult. If not breathing, administer artificial respiration and seek medical attention. Get medical attention if symptoms appear.
Ingestion	Get medical attention immediately. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Wash out mouth with water if person is conscious. Never induce vomiting or give anything by mouth to a victim who is unconscious or having convulsions.
Notes to Physician	Not available.
Additional First Aid Remarks	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Not regulated as flammable or combustible.
OSHA Flammability Class	IIIB
Autoignition temperature	Not available.
Flash Points	Not applicable.
Flammable Limits	L.E.L. Not available. U.E.L. Not available.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	Not available.
Fire Fighting Media and Instructions	In case of fire, use foam, dry chemicals, or CO2 fire extinguishers. Evacuate area and fight fire from a safe distance. Water spray may be used to keep fire-exposed containers cool. Keep water run off out of sewers and public water ways.
Protective Clothing (Fire)	Do not enter fire area without proper personal protective equipment, including NIOSH approved self-contained breathing apparatus.
Special Remarks on Fire Hazards	Not available.

Section 6. Accidental Release Measures

Spill	Put on appropriate personal protective equipment. Keep personnel removed and upwind of spill. Shut off all ignition sources; no flares, smoking, or flames in hazard area. Approach release from upwind. Shut off leak if it can be done safely. Contain spilled material. Keep out of waterways. Dike large spills and use a non-sparking or explosion proof means to transfer material to an appropriate container for disposal. For small spills add absorbent (soil may be used in absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container. Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Other Statements	If RQ (Reportable Quantity) is exceeded, report to National Spill Response Office at 1-800-424-8802.
Additional Accidental Release Measures Remarks	Not available.

Section 7. Handling and Storage

Handling and Storage Put on appropriate personal protective equipment. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Protect from ignition. Store in a dry, cool and well ventilated area. Keep away from incompatibles. Keep container tightly closed and dry.

Additional Handling and Storage Remarks Not available.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors or particles below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection

Personal Protective Equipment recommendations are based on anticipated known manufacturing and use conditions. These conditions are expected to result in only incidental exposure. A thorough review of the job tasks and conditions by a safety professional is recommended to determine the level of personal protective equipment appropriate for these job tasks and conditions.

Eyes Chemical safety goggles. Use full face shield if splashes could occur.

Body Wear long sleeves and chemical resistant apron to prevent repeated or prolonged skin contact.

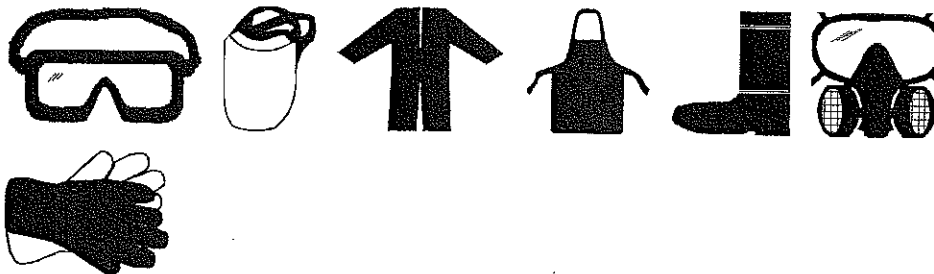
Respiratory Respirator use is not expected to be necessary under normal conditions of use. In poorly ventilated areas, emergency situations or if exposure levels are exceeded, use NIOSH approved full face respirator.

Hands Chemical resistant gloves.

Feet Chemical resistant boots or overshoes.

Other information Nitrile or neoprene gloves.

Protective Clothing (Pictograms)



Additional Exposure Contr Remarks Not available.

Section 9. Typical Physical and Chemical Properties

Physical State and Appearance	Clear. Liquid.	Odor	Pungent.
pH	3 - 5 (Neat - without dilution)	Color	Amber.
Specific gravity	1.02 - 1.032 @ 16°C (60°F)		
Density	8.5 - 8.6 lbs/gal @ 16°C (60°F)		
Vapor Density	>1 (Air = 1)		
Vapor Pressure	17 - mm of Hg @ 21°C (70°F)		
Evaporation Rate	Not Available or Not Applicable for Solids.		
VOC	Not available.		
Viscosity	15 - 17 cps @ 25°C (77°F)		
Pour Point	-2.2°C (-28°F) Freeze Point		
Solubility (Water)	Soluble		
Boiling Point	100°C (212°F)		

Continued on Next Page

Physical Chemical
Comments Not available.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Conditions of Instability Not available.

Incompatibility with Various Substances Oxidizing material.

Hazardous Decomposition Products Not applicable.

Hazardous Polymerization Hazardous polymerization is not expected to occur.

Special Stability & Reactivity Remarks Not available.

Section 11. Toxicological Information

Component Toxicological Information

Acute Animal Toxicity

- | | |
|-------------------------------------------|------------------------------------------------|
| 1) 5-chloro-2-methyl-4-isothiazolin-3-one | Not available. |
| 2) 2-Methyl-4-isothiazolin-3-one | Not available. |
| 3) Magnesium nitrate | ORAL (LD50): Acute: 500 to 5000 mg/kg [Human]. |

Chronic Toxicity Data

- 1) 5-chloro-2-methyl-4-isothiazolin-3-one

Not available.

- 2) 2-Methyl-4-isothiazolin-3-one

Not available.

- 3) Magnesium nitrate

Repeated small oral doses of nitrate may cause weakness, depression, headache and mental impairment. Magnesium nitrate is a methemoglobin-forming agent, chronic exposure may effect the ability of the blood carry oxygen causing the lips and skin to turn blue. Magnesium nitrate has not been evaluated for its carcinogenicity in humans or animals. Generally, nitrates can be reduced to nitrites, under anaerobic conditions (without oxygen), and nitrites can react with amines to form carcinogenic N-nitrosamines (Reprotex).

Product Toxicological Information

Acute Animal Toxicity ORAL (LD50): Acute: 3810 mg/kg [Rat]. >5000 mg/kg [Male rat]. DERMAL (LD50): Acute: >5000 mg/kg [Rabbit].

Target Organs respiratory tract, skin/epithelium, eyes.

Other Adverse Effects Using 1% active ingredient, the rat inhalation LC50 for 4 hours was >13.7 mg/L.

Section 12. Ecological Information

Ecotoxicity Ecotoxicity in water (LC50): 12.7 mg/l 96 hours [Rainbow trout]. 18.7 mg/l 96 hours [Bluegill sunfish]. 4.1 mg/l 96 hours [Fathead minnow]. 8.7 mg/l 48 hours [Daphnia magna]. 3933 mg/l 96 hours [Fiddler crab]. 36.7 mg/l 96 hours [Sand shrimp].

BOD5 and COD Not available.

Biodegradable/OECD Not available.

Toxicity of the Products of Biodegradation Not available.

Continued on Next Page

Special Remarks An EcoTox™ Report, and/or the material's environmental fate is available upon request at the following number: 1-800-235-4249, then press 4. The Chemical Oxygen Demand (COD) for 100 ppm of this product is 6 mg. The Biological Oxygen Demand for 5 parts per million of this product for 5 days is 0%.

Section 13. Disposal Considerations

Responsibility for proper waste disposal rests with the generator of the waste. Dispose of any waste material in accordance with all applicable federal, state and local regulations. Note that these regulations may also apply to empty containers, liners and rinsate. Processing, use, dilution or contamination of this product may cause its physical and chemical properties to change.

Additional Waste Remarks Not available.

Section 14. Transport Information

DOT Classification Corrosive liquid, acidic, organic, n.o.s., (contains 5-chloro-2-methyl-4-isothiazolin-3-one), 8, UN3265, II



DOT Reportable Quantity Not applicable.

Marine Pollutant Not applicable.

Additional DOT information Not available.

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Section 15. Regulatory Information

HCS Classification Target Organ Effects. Corrosive.

U.S. Federal Regulations

Environmental Regulations Extremely Hazardous Substances: Not applicable to any components in this product.
SARA 313 Toxic Chemical Notification and Release Reporting: Not applicable to any components in this product.
SARA 302/304 Emergency Planning and Notification substances: Not applicable to any components in this product.
Hazardous Substances (CERCLA 302): Not applicable to any components in this product.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: immediate health hazard;
Clean Water Act (CWA) 307 Priority Pollutants: Not applicable to any components in this product.
Clean Water Act (CWA) 311 Hazardous Substances: Not applicable to any components in this product.
Clean Air Act (CAA) 112(r) Accidental Release Prevention Substances: Not applicable to any components in this product.

Threshold Planning Quantity (TPQ) Not applicable.

TSCA Inventory Status All components are included or are exempted from listing on the US Toxic Substances Control Act Inventory.

This product contains the following components that are subject to the reporting requirements of TSCA Section 12(b) if exported from the United States: 5-chloro-2-methyl-4-isothiazolin-3-one; 2-Methyl-4-isothiazolin-3-one.

State Regulations State specific information is available upon request from Baker Petrolite.

International Regulations

Canada All components are compliant with or are exempted from listing on the Canadian Domestic Substance List.

WHMIS (Canada) D-2B, E

European Union All components are included or are exempted from listing on the European Inventory of Existing Commercial Chemical Substances or the European List of Notified Chemical Substances.

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International inventory status information is available upon request from Baker Petrolite for the following countries: Australia, and Australia (NICNAS), China, Korea (TCCL), Philippines (RA6969), or Japan.

Harmonized Tariff Code 3808.90.30.00

Other Regulatory Information

This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide ACT (FIFRA) and is therefore exempt from US Toxic Substance Control Act (TSCA) inventory listing requirements. EPA Registration No. 10707-38

Section 16. Other Information

Other Special Considerations 07/16/03 - Change to Section 15.

Baker Petrolite Disclaimer

NOTE: The information on this MSDS is based on data which is considered to be accurate. Baker Petrolite, however, makes no guarantees or warranty, either expressed or implied of the accuracy or completeness of this information.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

This MSDS was prepared and is to be used for this product. If the product is used as a component in another product, this MSDS information may not be applicable.