



MSDS G43
Effective Date: 11-APRIL-2007
Renewal Date: 11-APRIL-2010

This Material Safety Data Sheet applies to the following Baldwin Filters Part Numbers:

BW5070
BW5071
BW5072
BW5073
BW5074

BW5075
BW5076
BW5082
BW5086

I. Identification

Emergency Only Telephone: (800) 424-9300 Inside the US, Canada and the U.S. Virgin Islands
(703) 527-3887 Outside the US (collect calls accepted)

Information Telephone: (800) 822-5394

Chemical Family: Alkali metal salts
DOT Hazard Class: NA
DOT Shipping Name: Not Regulated

II. Hazardous Ingredients

Material	%	TLV (Units)	CAS #
Silicic Acid, Disodium Salt (Sodium Metasilicate)	5-10	ND	6834-92-0
Disodium Phosphate (Sodium Phosphate, Dibasic)	40-50	ND	7558-79-4
Sodium Nitrite	10-15	ND	7632-00-0
Sodium Nitrate	5-10	ND	7631-99-4
Sodium Molybdate (Molybdic Acid, Disodium Salt)	5-10	0.5 mg/m ³ (As Mo)	7631-95-0
1-H-Benzotriazole, Methyl -(Tolytriazole; TTA)	5-10	ND	29385-43-1

III. Physical Data

Density: No Data
Freeze Point: NA
Viscosity (cps 70F, 21C): NA
Vapor Pressure (mmHg): < 0.1
Vapor Density (air = 1): < 1.00
Solubility in Water: ~ 10.0%
pH (5.0% soln): ~10.0
Flash Point P-M (CC): > 200F > 93C
Evaporation Rate (ether = 1): < 1.00
Physical State: Pellet/Briquette
Odor: Slight
Appearance: White to Yellow

IV. Fire and Explosion Hazard Data

Flash Point (Test Method): N/A
Flammable Limits in Air (% by volume): Lower = ND Upper = ND
Extinguishing Media: Suitable for surrounding fire.
Special Firefighting Procedures: Wear self-contained breathing apparatus. Contact with strong acids or thermal decomposition may produce toxic fumes.
Unusual Fire and Explosion Hazards: None

V. Reactivity Data

Stability: Stable under normal storage conditions.
Incompatibility (materials to avoid): Reducing agents, oxidizable substances, ammonium salts, amines, amine compounds, acids.
Hazardous Polymerization: Reacts with amine-containing products. Reacts with acids. Reacts with reducing agents. Reacts with oxidizing agents.
Hazardous Combustion or Decomposition Products: Oxides of nitrogen, disodium oxide.

VI. Health Hazard Data

Ingredients Listed as Carcinogenic in NTP, IARC or OSHA (specify): None

Acute Effects of Overexposure

Eye Contact: Causes eye irritation.
Skin Contact: May be irritating to the skin.
Inhalation: May be irritating to the respiratory tract.
Ingestion: May be harmful if swallowed.
Principal Routes of Absorption: Skin contact, eye contact, ingestion, inhalation.

Emergency and First Aid Procedures

Eyes: Flush at once with plenty of cool water for 15 minutes. Contact a physician if irritation develops.
Skin: Flush affected area with plenty of water. If irritation develops, consult a physician.
Inhalation: Remove victim to fresh air. If symptoms persist, consult a physician.
Ingestion: Seek medical attention immediately. Give large quantities of water to dilute. Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

VII. Spill or Leak Procedures

Steps to be taken if Material is Released or Spilled: Evacuate area. Wear appropriate personal protective equipment. Return dry material to original container or appropriate waste container. Flush spill area with plenty of water. Prevent runoff from entering drains, sewers and streams.
Waste Disposal Method: In accordance with federal, state and local guidelines.

VIII. Special Protection Information

Ventilation Requirements: Local exhaust sufficient to maintain below TLV.

Recommended Personal Protective Equipment

- Respiratory:** A respiratory protection program that meets OSHA's 29CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Use air purifying respirators within use limitations associated with the equipment or else use supplied air-respirators. If air-purifying respirator use is appropriate, use a respirator with dust/mist filters.
- Eyes:** Chemical splash goggles.
- Gloves:** Impervious.
- Other Clothing and Equipment:** Other protective clothing depending on degree of exposure.

IX. Handling and Storage

- Handling:** Avoid all contact with reducing agents, oils, greases, organics and acids.
- Storage:** Keep containers closed when not in use. Keep dry. Store away from acids. Protect against heat.

X. Toxicological Information

- Oral LD50:** ~ 840 mg/kg (estimated value)
- Dermal LD50:** > 2,000 mg/kg (estimated value)

XI. Regulatory Information

TSCA: All components of this product are listed in the TSCA inventory.

CERLA and/or SARA REPORTABLE QUANTITY (RQ): 116 pounds due to Sodium Nitrite.

SARA SECTION 312 HAZARD CLASS: Immediate (acute); Delayed (chronic); Fire.

SARA SECTION 302 CHEMICALS: No regulated constituent present at OSHA thresholds.

SARA SECTION 313 CHEMICALS:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>RANGE</u>
7632-00-0	Sodium Nitrite	41.0 - 50.0%
7631-99-4	Sodium Nitrate	11.0 - 15.0%

CALIFORNIA REGULATORY INFORMATION:

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT: No regulated constituent present at OSHA thresholds.

XII. NFPA / HMIS

Health	2	Slight Hazard
Fire	0	Slight Hazard
Reactivity	0	Minimal Hazard
Special	None	No Special Hazard
Protective Equipment ⁽¹⁾	C	Goggles, Gloves

⁽¹⁾ refer to section VIII of MSDS for additional protective equipment recommendations.

All information, recommendations, and suggestions appearing herein concerning this compound are based upon data obtained from the raw material manufacturers and/or recognized technical sources; however, Dober Chemical Corp. makes no warranty, representation, or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, express or implied, is made by Dober Chemical as to the effects of such use, the results to be obtained or the safety and toxicity of the product. The data in this MSDS relate only to the specific product designated herein and do not relate to use in combination with any other material or in any process.

Baldwin Filters does not develop, prepare, or review the contents of any Material Safety Data Sheet; the MSDS is provided by Dober Chemical Corp., the manufacturer of the chemical in our product. The statements, technical information and recommendations contained herein are transmitted without warranty or guarantee of any kind, expressed or implied by Baldwin Filters. Furthermore, Baldwin Filters assumes no responsibility for any loss, damage or expense, direct or consequential, arising out of their use.

BALDWIN FILTERS®

a CLARCOR company

4400 East Highway 30 ■ P.O. Box 6010

Kearney, Nebraska 68848-6010

Phone: (308) 234-1951 ■ Toll Free: (800) 822-5394

Fax: (800) 828-4453 ■ Int'l Fax: (308) 237-9769

Internet: www.baldwinfilter.com

