

COLUMBIA RIVER

4151 CHELAN HIGHWAY – WENATCHEE, WA 98801

PHONE: 509-663-7151

MATERIAL SAFETY DATA

1. PRODUCT IDENTIFICATION

PRODUCT NAME: **B-52**
 SYNONYMS: NA
 CHEMICAL FAMILY: Aliphatic Polycarboxylate, Calcium
 GENERIC DESCRIPTION: Buffer - Acidifier
 MOLECULAR WEIGHT: NA

2. HAZARDOUS INGREDIENTS

COMPONENT	CAS. NO.	WT %	EXPOSURE LIMITS
None Known.			

3. EFFECTS OF OVEREXPOSURE:

EYE: May be slight eye irritant.
 SKIN: Long term exposure to skin could be a mild irritant.
 INHALATION: Inhalation of vapor or mist may cause mild irritation of the respiratory tract.
 ORAL: Practically harmless.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Overexposure to any chemical may result in enhancement of pre-existing adverse medical condition and allergic reactions.

4. EMERGENCY FIRST AID

Call a poison control center or doctor immediately for treatment advice.

IF SWALLOWED: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment.

5. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Contact with strong oxidizers and prolonged storage at elevated temperatures should be avoided.

POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Aqueous solution in contact with aluminum evolves hydrogen. Avoid contact with aluminum, copper, copper alloys and nickel. Avoid contact with strong oxidizers and metal nitrates.

DECOMPOSITION: Carbon dioxide, carbon monoxide, nitrogen oxides and water vapor.

6. PHYSICAL PROPERTIES

APPEARANCE AND ODOR:	Clear to slight yellow tint with slight citric odor.
BOILING POINT:	>200° F
MELTING POINT:	NA
VAPOR PRESSURE (mmg of Hg):	NA
SPECIFIC GRAVITY:	1.14(+/- .05)
VAPOR DENSITY (AIR=1):	NA
% VOLATILE (BY WGT.%):	NA
EVAPORATION RATE (Butyl A.)r=1):	NA
SOLUBILITY IN WATER:	Soluble

7. NFPA HAZARD RATING (National Fire Protection Association)

Flammability	Health:	Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
0		
Health 2	0 Instability	
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Special Hazard	Flammability:	Materials that will not burn.
	Instability:	Normally stable, even under fire exposure conditions, and are not reactive with water.

8. FIRE AND EXPLOSION HAZARD INFORMATION

FLASHPOINT:	>200° F
FLAMMABLE LIMITS:	Not considered a fire hazard.
EXTINGUISHING MEDIA:	This product is noncombustible. If involved in a fire, extinguishing agents suitable for surrounding materials should be used.
FIRE FIGHTING:	As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Use self-contained breathing apparatus with fighting any fire in an enclosed area.
UNUSUAL FIRE HAZARD:	Oxides of carbon and nitrogen are produced by the combustion of this product.

9. SPECIAL PRECAUTIONS

HANDLING AND STORAGE:	Keep out of reach of children. Avoid prolonged and /or repeated skin Contact and eye contact when handling this product. Keep container closed and dry. Isolate from strong oxidizing agents. Avoid contact with aluminum, copper, copper alloys or nickel.
OTHER PRECAUTIONS:	Avoid contact with eyes. Avoid breathing vapors. Use respiratory protection device when handling. Harmful if swallowed. Avoid contact with skin. Wear chemical resistant gloves, long-sleeved shirt and pants, socks, and chemical resistant footwear. Note: Read and follow all label directions and cautions on all products used.

10. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required for normal use. If use conditions generate vapors, aerosols or fumes, use a NIOSH-approved respirator.

VENTILATION: Normal room ventilation (mechanical) should be satisfactory.

PROTECTIVE GLOVES: Impervious.

EYE PROTECTION: Wear goggles or a face shield.

OTHER PROTECTION: Full body protective suit, eye wash and safety shower. All food and smoking materials should be kept in a separate area away from the storage / use location. Wash hands before eating, drinking, smoking or using toilet facilities.

11. SPILL OR LEAK PROCEDURES

SPILLS OR RELEASES: CAUTION: Spills may be slippery. Material should be collected and disposed of in a proper manner. Dike area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

WASTE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Dispose of in an approved waste disposal facility in accordance with all Federal, State and Local Regulations.

CONTAINER DISPOSAL: Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

12. REGULATORY INFORMATION

COMPOUNDS WHICH REQUIRE REPORTING UNDER SARA TITLE III

Sara regulated compounds	Wt.	CAS NO.
None Known.		

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

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