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1301 E. 9th Street, #700  
Cleveland OH 44114  
(800) 726-9626



Material Safety Data Sheet

MSDS Form No. : MSDS21408  
Item No. : 21408

\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

CRC AIR BRAKE ANTI-FREEZE & CONDITIONER

Part # MSDS21408

\*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*

MSDS Name: CRC AIR BRAKE ANTI-FREEZE & CONDITIONER

Product CAS: (none)

Product Code:

Synonyms: 21408; CRC AIR BRAKE ANTI-FREEZE & CONDITIONER

Company Identification:

Name: BOWMAN DISTRIBUTION

Address: 1301 E. 9TH ST., ST. 700

Address:

City: CLEVELAND State: OH Zip: 44114

For information, call: HEALTH AND TECHNICAL CONTACTS: HEALTH ISSUES AND TECHNICAL INFORMATION

(8AM-5PM ET): 1-216-416-7200 X 5860

Emergency Number: ROCKY MOUNTAIN POISON CONTROL CENTER (24 HOURS EVERYDAY):  
1-303-623-5716

Emergency Agency: CHEMTREC (24 HOURS EVERYDAY):

Number: 1-800-424-9300

MSDS Creation Date: 1/20/2004

Supersedes Date: 1/1/2003

\*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

Chemical Name	CAS	MIN	MAX
METHANOL	67-56-1	0	98

Miscellaneous:

INGREDIENTS	% BY WEIGHT	ACGIH TLV	OSHA PEL	OTHER LIMITS
METHANOL	98	200 PPM	200 PPM	NE

Lbs of VOC per Gallon Coating (minus water): 6.6  
Coating Density (lbs/gal): 0  
Solvent Density (lbs/gal): 0  
Percent Solvent (volume): 0  
Percent Solids (volume): 0  
Percent Water (volume): 0

\*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

NFPA: Health: 3 Fire: 3 Reactivity: 0 Other:  
HMIS: Health: 2 Fire: 3 Reactivity: 0 Special Protection: B

Miscellaneous:  
CATEGORY: HMIS / NFPA

PERSONAL PROT./SPECIFIC HAZ.: B

POTENTIAL HEALTH EFFECTS

Target Organs:  
PRIMARY ROUTES OF EXPOSURE: INHALATION, SKIN CONTACT AND INGESTION.

Eye:  
HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS): IRRITATION.

Skin:  
HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS): MAY CAUSE BURNING, ITCHING, AND REDNESS.

Ingestion:  
HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS): INEBRIATION, HEADACHE, NAUSEA, BLINDNESS, DEATH.

Inhalation:  
HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS): DROWSINESS, NAUSEA, VOMITIN  
.

Miscellaneous:  
CONDITIONS TO AVOID: NOT APPLICABLE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOT APPLICABLE.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: SEE ABOVE

\*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\*

Eye:

FLUSH WITH LARGE AMOUNTS OF WATER.

Skin:

WASH WITH LARGE AMOUNTS OF WATER.

Ingestion:

INDUCE VOMITING. CALL A DOCTOR IMMEDIATELY.

Inhalation:

REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NECESSARY.

Notes to Physician:

\*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

Unusual Fire and Explosion Hazards:

NOT APPLICABLE.

Special Fire Fighting Procedures:

REMOVE CONTAINERS FROM FIRE AREA IF POSSIBLE. USE SELF-CONTAINED BRATHING APPARATUS FOR FIRE FIHTING.

Extinguishing Media:

CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Flash Point:

AND METHOD: 54 F; METHOD USED: TCC

Flammable Limits:

Lower Limit:

(%) LEL: 6.0

Upper Limit:

(%) UEL: 36.5

AutoIgnition Temperature:

General Information:

METHOD USED: TCC

\*\*\*\* SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\*

Disposal:

ALL USED AND UNUSED PRODUCT SHOULD BE DISPOSED OF IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

RCRA HAZARDOUS WASTE NUMBER: U154

Spills/Leaks:

VENTILATE AREA, REMOVE SOURCES OF IGNITION. ABSORB ON INERT MATERIAL AND PLACE IN A CLOSED CONTAINER.

\*\*\*\* SECTION 7 - HANDLING and STORAGE \*\*\*\*

Handling:

STORE IN A COOL DRY AREA.

Storage:

SEE "HANDLING" ABOVE.

\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*

Engineering Controls:

ADEQUATE TO PREVENT ACCUMULATION OF VAPORS. USE MECHANICAL MEANS IF NECESSARY TO MAINTAIN LEVELS BELOW THE EXPOSURE LIMITS. IF WORKING IN A CONFINED SPACE, FOLLOW APPLICABLE OSHA REGULATIONS.

Eyes:

SAFETY GLASSES.

Skin:

PROTECTIVE GLOVES: NITRILE.

Clothing:

OTHER PROTECTIVE EQUIPMENT: AS NEEDED TO PREVENT BODY CONTACT.

Respirators:

SELF-CONTAINED BREATHING APPARATUS ABOVE TLV.

\*\*\*\* SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*

Appearance/Odor:

CLEAR LIGHT BLUE LIQUID. ALCOHOL ODOR.

pH: N.A.

Vapor Pressure: @ 96 MGHG; PSI 40

Vapor Density: (AIR = 1): 1.11

Evaporation Rate: (BUTYL ACTETATE=1): 2  
Viscosity:  
Boiling Point: 148 F  
Freezing/Melting Point:  
Decomposition Temperature:  
Solubility: IN WATER: COMPLETE  
Specific Gravity: .7924  
Molecular Formula:  
Molecular Weight:  
Miscellaneous:  
% SOLID BY WEIGHT (%): N.D.

VOC (AS PACKAGED MINUS WATER):  
THEORETICAL: 6.6 LB/GAL.

MAXIMUM PERCENT VOC BY WT.: METHOD USED: CALCULATED

PERCENT VOLATILE BY VOLUME (%): 99%

\*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

Chemical Stability:  
STABLE

Conditions to Avoid:  
N.A.

Incompatibilities with Other Materials:  
STRONG OXIDIZERS.

Hazardous Decomposition Products:  
NONE.

Hazardous Polymerization:  
WILL NOT OCCUR.

\*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\*

Toxicological Information:  
LONG TERM TOXICOLOGICAL STUDIES HAVE NOT BEEN CONDUCTED FOR THIS PRODUCT.

\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\*

Ecological Information:  
NO DATA AVAILABLE.

\*\*\*\* SECTION 13 - OTHER PRECAUTIONS \*\*\*\*

Other Precautions:

KEEP CONTAINERS CLOSED WHEN NOT IN USE. SPILLS SHOULD BE KEPT OUT OF STREAMS AND WATER SUPPLY.

Work/Hygienic Practices:

\*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\*

Transportation Information:

05532 - 32 FL. OZ. BOTTLE  
SHIPPING NAME: CONSUMER COMMODITY  
HAZRD CLASS: ORM-D

05525 - 5 GALLON PAIL; 05528 - 1 GALLON BOTTLE; 0555 - 55 GALLON DRUM  
SHIPPING NAME: METHANOL  
HAZARD CLASS: 3  
UN NUMBER: 1230  
PACKING GROUP: II

Label Information:

\*\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*\*

Regulatory Information:

TSCA STATUS: ALL COMPONENTS ARE EITHER LISTED UNDER TSCA OR ARE EXEMPT.  
SARA TITLE III:

SECTION 311/312: ACUTE SECTION 313 METHANOL.

CERCLA/SUPERFUND (RQ) MIXTURE

\*\*\*\* SECTION 16 - ADDITIONAL INFORMATION \*\*\*\*

Additional Information:

N.A.=NOT APPLICABLE  
N.D.=NOT DETERMINED  
N.E.=NOT ESTABLISHED

