

**Weifang Brother Chemical Co., Ltd.**

-- PCI0115, LITHIUM BROMIDE, 53% SOLUTION

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**MATERIAL SAFETY DATA SHEET**

NSN: 6810-00-797-8619

Manufacturer's Name: Weifang Brother Chemical Co., Ltd.

Part Number/Trade Name: CFMNC 105, LITHIUM BROMIDE SOLUTION

Typical Specification:

Lithium bromide content	53-56%
Chloride	≤500ppm
Sulfide	≤500ppm
Bromate	Not reaction
Calcium, magnesium	≤50ppm
PH value	9.5-10.5

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General Information  
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Company's Name: Weifang Brother Chemical Co., Ltd.  
Company's Address: Hualong, Shandong, China  
Company's City: CATOOSA  
Company's Zip Code: 265600  
Company's Emerg Ph #: 001 535 598 1217  
Company's Info Ph #: 001 535 598 1217  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SMJ  
Date MSDS Prepared: 11SEP99  
Safety Data Review Date: 18APR00  
MSDS Serial Number: PCILBS  
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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: LITHIUM BROMIDE  
Ingredient Sequence Number: 01  
Percent: 53-56%  
CAS Number: 7550-35-8  
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Proprietary: NO  
Ingredient: WATER  
Ingredient Sequence Number: 02  
Percent: 43-48  
CAS Number: 7732-18-5  
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Physical/Chemical Characteristics

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Appearance And Odor: LIQUID  
Specific Gravity: 1.6  
Solubility In Water: WATER SOLUTION

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Fire and Explosion Hazard Data

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Flash Point: N/A  
Lower Explosive Limit: N/A  
Upper Explosive Limit: N/A  
Extinguishing Media: EXTINGUISH USING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE.  
Special Fire Fighting Proc: WEAR NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). NO ACUTE HAZARD. MOVE CONTR FROM FIRE AREA IF POSSIBLE.  
AVOID BREATHING VAPORS/DUST; KEEP UPWIND.  
Unusual Fire And Expl Hazrds: NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

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Reactivity Data

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Stability: YES  
Cond To Avoid (Stability): PROTECT FROM FREEZING. STORE AWAY FROM INCOMPATIBLE MATERIALS.  
Materials To Avoid: NO DATA AVAILABLE.  
Hazardous Decomp Products: THERMAL DECOMPOSITION MAY RELEASE TOXIC AND/OR HAZARDOUS GASES.  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT RELEVANT.

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Health Hazard Data

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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: YES  
Health Haz Acute And Chronic: POTENTIAL HLTH EFTS: ACUTE: INHAL MAY CAUSE IRRIT. ADDNL EFTS MAY INCL RINGING IN EARS, NAUS, VOMIT, DIARR, DROW, TWITCHING & BLURRED VISION. SKIN/EYES: MAY CAUSE IRRIT. INGEST: MAY CAUSE DRUNKENNESS. CHRONIC: MAY CAUSE RASH, RINGING IN EARS, NAUS, VOMIT, DIARR, DFCLTY SPEAKING, DROW, TWITCHING, (EFTS OF OVEREXP)  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NOT RELEVANT.  
Signs/Symptoms Of Overexp: HLTH HAZ: VISUAL DISTURB & COMA. LITHIUM BROMIDE: TARGET EFTS: MAY CAUSE CNS DEPRESS & AFFECT BLOOD ELECTROLYTE BALANCE. ACUTE: INHAL: MAY CAUSE IRRIT OF RESP SYS, MALAISE, DROW,

ANOREXIA, NAUS, VOMIT, DIARR, BLURRED VISION, TINNITUS, WEAK, MUSC  
TREMORS  
& INCRD TENDON REFLEXES. SKIN: MAY CAUSE IRRIT. INGEST: (SUP DAT)  
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.  
Emergency/First Aid Proc: INHAL: REMOVE TO FRESH AIR IMMED. PERFORM ARTF  
RESP IF NEC. KEEP WARM & AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY.  
GET  
MED ATTN IMMED. SKIN: REMOVE CONTAM CLTHG & SHOES IMMED. WASH  
W/SOAP/MILD  
DETERGENT & LGE AMTS OF WATER UNTIL NO EVIDENCE OF CHEM REMAINS (AT  
LEAST  
15-20 MIN). GET MED ATTN IMMED. EYE: WASH IMMED W/LGE AMTS OF WATER/NORM  
SALINE, OCCAS LIFTING UPPER & LOWER LIDS, UNTIL (ING 6)

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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: STOP LEAK IF YOU CAN DO IT WITHOUT RISK.  
FOR  
SMALL SPILLS, DIKE UP WITH SAND OR OTHER ABSORBENT MATERIAL AND PLACE  
INTO  
CLEAN, DRY CONTAINER FOR LATER DISPOSAL. KEEP UNNECESSARY PEOPLE AWAY.  
ISOLATE HAZARD AREA AND DENY ENTRY.  
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.  
Waste Disposal Method: OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS  
WHEN DISPOSING OF THIS SUBSTANCE.  
Precautions-Handling/Storing: OBSERVE ALL FEDERAL, STATE AND LOCAL  
REGULATIONS WHEN STORING THIS SUBSTANCE. KEEP CONTAINER TIGHTLY CLOSED.  
HANDLE WITH CAUTION.  
Other Precautions: AVOID BREATHING VAPOR OR MIST. AVOID CONTACT WITH  
EYES,  
SKIN AND CLOTHING. USE ONLY WITH ADEQUATE VENTILATION.

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Control Measures  
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Respiratory Protection: SPECIFIC RESP SELECTED MUST BE BASED ON CONTAM  
LEVELS FOUND IN WORKPLACE, MUST BE BASED ON SPECIFIC OPERATION, MUST NOT  
EXCEED WORKING LIMS OF RESP & MUST BE NIOSH APPRVD. FOR MORE SPECIFIC  
INFORMATION CONTACT NEHC (FP N).  
Ventilation: PROVIDE LOCAL EXHAUST VENTILATION SYSTEM.  
Protective Gloves: IMPERVIOUS GLOVES (FP N).  
Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).  
Other Protective Equipment: EMERGENCY EYEWASH AND DELUGE SHOWER MEETING  
ANSI DESIGN CRITERIA (FP N). WEAR IMPERVIOUS CLOTHING.  
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.  
Suppl. Safety & Health Data: EFTS OF OVEREXP: LGE DOSES MAY CAUSE CNS  
DEPRESS. CHRONIC: INGEST: RPTD/PRLNG EXPOS MAY CAUSE SKIN ERUPTIONS &  
CNS  
DISTURB DUE TO BROMIDE POIS. ABSORPTION MAY ALSO CAUSE DISTURBED BLOOD  
ELECTROLYTE BALANCE. LITHIUM CMPDS ARE LIKELY TO ADVERSELY AFFECT GI,  
NERV  
& RENAL SYS. THEY MAY CAUSE ANOREXIA, WT LOSS, (ING 3)

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Transportation Data  
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Disposal Data

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Label Data

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Label Required: YES  
Technical Review Date: 11SEP99  
Label Date: 11SEP99  
Label Status: G  
Common Name: PCILBS, LITHIUM BROMIDE SOLUTION  
Chronic Hazard: YES  
Signal Word: WARNING!  
Acute Health Hazard-Moderate: X  
Contact Hazard-Slight: X  
Fire Hazard-Slight: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: ACUTE: INHALATION: MAY CAUSE IRRITATION.  
ADDITIONAL EFFECTS MAY INCLUDE RINGING IN EARS, NAUSEA, VOMITING,  
DIARRHEA,  
DROWSINESS, TWITCHING, AND BLURRED VISION. SKIN: MAY CAUSE IRRITATION.  
EYES: MAY CAUSE IRRITATION. INGESTION: MAY CAUSE DRUNKENNESS. CHRONIC:  
MAY  
CAUSE RASH, RINGING IN EARS, NAUSEA, VOMITING, DIARRHEA, DIFFICULTY  
SPEAKING, DROWSINESS, TWITCHING, VISUAL DISTURBANCES AND COMA. LITHIUM  
BROMIDE MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION AND AFFECT BLOOD  
ELECTROLYTE BALANCE.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y

Disclaimer:

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