

# COMPOUND 302

## MATERIAL SAFETY DATA SHEET

12/18/99

MSDS PROVIDED BY:  
STOODY INDUSTRIAL AND WELDING SUPPLY, INC.  
3316 National Ave., San Diego, Ca. 92113  
Phone: (619) 234-6750  
MILITARY EMERGENCY RESPONSE NUMBER 1-800-851-8061

ARCAL CHEMICALS -- COMPOUND 302  
MATERIAL SAFETY DATA SHEET  
Manufacturer's CAGE: 16268  
Part No. Indicator: B  
Part Number/Trade Name: COMPOUND 302

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General Information  
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Company's Name: ARCAL CHEMICALS INC  
Company's Street: 223 WESTHAMPTON AVE  
Company's City: CAPITOL HEIGHTS  
Company's State: MD  
Company's Country: US  
Company's Zip Code: 20743  
Company's Emerg Ph #: 800-424-9300 (CHEMTREC)  
Company's Info Ph #: 800-638-2672  
Record No. For Safety Entry: 002  
Tot Safety Entries This Stk#: 002  
Status: SMJ  
Date MSDS Prepared: 17FEB94  
Safety Data Review Date: 24MAR98  
MSDS Serial Number: CGRRY

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: HYDROCHLORIC ACID; (HYDROGEN CHLORIDE) (SARA 302/313) (CERCLA)  
Ingredient Sequence Number: 01  
NIOSH (RTECS) Number: MW4025000  
CAS Number: 7647-01-0  
OSHA PEL: 5 PPM, C  
ACGIH TLV: 5 PPM, C

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Proprietary: NO  
(ORAL,RAT) 1932 MG/KG.  
Ingredient Sequence Number: 02  
NIOSH (RTECS) Number: NO5425000  
CAS Number: 10025-77-1  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Physical/Chemical Characteristics  
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Appearance And Odor: YELLOW PASTE W/ACID ODOR.  
Boiling Point: N/A  
Melting Point: N/A  
Vapor Pressure (MM Hg/70 F): N/A  
Vapor Density (Air=1): >1  
Specific Gravity: 1.46 (H\*20=1)  
Evaporation Rate And Ref: >1 (BUTYL ACETATE=1)  
Solubility In Water: PARTIALLY SOLUBLE

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Fire and Explosion Hazard Data  
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Flash Point: NONE  
Extinguishing Media: CO\*2, FOAM.  
Special Fire Fighting Proc: USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). KEEP CONTAINER COOL.  
Unusual Fire And Expl Hazards: ACIDIC PRODUCT REACTS WITH METALS TO PRODUCE HYDROGEN.

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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): NONE KNOWN.  
Materials To Avoid: CONCENTRATED ALKALIS & METALS.  
Hazardous Decomp Products: HYDROGEN CHLORIDE & CHLORINE W/INCOMPLETE SOLUTION.  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT RELEVANT

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Health Hazard Data  
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LD50-LC50 Mixture: SEE INGREDIENT 2.  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: NO  
Health Haz Acute And Chronic: SKIN BURNS ON SKIN DUE TO PROLONGED CONTACT; EYES DAMAGED ON CONTACT; BREATHING VAPORS AND MIST WILL DAMAGE RESPIRATORY TRACT.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NOT RELEVANT  
Signs/Symptoms Of Overexp: SKIN BURNS, SEVERE DAMAGE TO EYES, BREATHING OF MIST OR DUST CAN CAUSE DAMAGE TO RESPIRATORY PASSAGE.  
Med Cond Aggravated By Exp: SKIN BURNS & RESPIRATORY DAMAGE.  
Emergency/First Aid Proc: INGEST:CALL MD IMMEDIATELY (FP N). INHAL: REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O\*2/ARTF RESP) (FP N). SKIN: FLUSH THOROUGHLY W/WATER. EYES:FLUSH THOROUGHLY W/WATER FOR AT LEAST 15 MINUTES & GET IMMEDIATE MEDICAL ATTENTION.

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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: FLUSH SMALL AMOUNTS TO DRAIN, COLLECT & TREAT LARGE AMOUNTS W/SODIUM BICARBONATE TO COUNTERACT ACIDITY & DISPOSE TO SOLID WASTE.  
Neutralizing Agent: SODIUM BICARBONATE.  
Waste Disposal Method: PH ADJUSTMENT & DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS.  
Precautions-Handling/Storing: STORE IN COOL, DRY PLACE.  
Other Precautions: CORROSIVE.

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Control Measures  
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Respiratory Protection: NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).  
Ventilation: LOCAL EXHAUST.  
Protective Gloves: NON-ABSORB, ACID-RESIST, RUBBER (SUPDAT)  
Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS(SUPDAT)  
Other Protective Equipment: EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET

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ANSI DESIGN CRITERIA (FP N). WEAR ACID RESISTANT CLOTHING & EQUIPMENT.  
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.  
Suppl. Safety & Health Data: PROT GLOVES:TYPE GLOVES. EYE PROT:& FULL  
LENGTH FACESHIELD (FP N).

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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: 24MAR98  
Label Date: 20MAR98  
Label Status: G  
Common Name: COMPOUND 302  
Chronic Hazard: NO  
Signal Word: DANGER!  
Acute Health Hazard-Severe: X  
Contact Hazard-Severe: X  
Fire Hazard-None: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: CORROSIVE. ACUTE:SKIN BURNS ON SKIN DUE TO  
PROLONGED CONTACT; EYES DAMAGED ON CONTACT; BREATHING VAPORS AND MIST WILL  
DAMAGE RESPIRATORY TRACT. CHRONIC:NONE LISTED BY MANUFACTURER.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: ARCAL CHEMICALS INC  
Label Street: 223 WESTHAMPTON AVE  
Label City: CAPITOL HEIGHTS  
Label State: MD  
Label Zip Code: 20743  
Label Country: US  
Label Emergency Number: 800-424-9300 (CHEMTREC)