

Material Safety Data Sheet

EMERGENCY PHONE NUMBERS

BUTLER CHEMICALS INC.
714-630-7625

INFOTRAC
800-535-5053

HAZARD RATING

4-EXTREME
3-HIGH
2-MODERATE
1-SLIGHT
0-INSIGNIFICANT

| | |
|------------|---|
| HEALTH | 2 |
| FIRE | 0 |
| REACTIVITY | 1 |
| SPECIAL | B |

I. General Information

| | | | |
|--|-----------------------|---------|---------------------|
| SOLD BY | Trade Name & Synonyms | | |
| BUTLER CHEMICALS INC. 1283 N. GROVE ST. ANAHEIM, CA. 92806 | BLITZ LS | | |
| DOT Hazard Classification | Chemical Family | | |
| CORROSIVE LIQUID | MIXTURE | | |
| Proper DOT Shipping Name | | | |
| CORROSIVE LIQUIDS, NOS (CONTAINS SODIUM HYDROXIDE), 8, UN 1760, PGII | | | |
| Prepared By | ERIC POE | LEGEND: | N/E Not Established |
| Date | 5/8/2003 | | N/A Not Applicable |

II Ingredients

| Hazardous Components | CAS Number | Percent | ACGTH | TLV |
|----------------------|------------|---------|--------|--------|
| SODIUM HYDROXIDE | 1310-73-2 | <13 | 2mg/m3 | 2mg/m3 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

III. Physical Data

| | |
|---|------------------------------|
| Boiling Point(F) | Specific Gravity(H2O=1) |
| APRX 212 DEGREES F | 1.16 |
| Vapor Pressure(mm Hg) | Percent Volatile |
| N/E | N/A |
| Vapor Density(Air=1) | Evaporation Rate (_____ =1) |
| N/E | N/A |
| Solubility in Water | Reactivity in Water |
| COMPLETE | NONE |
| Appearance & Odor | Ph |
| flourescent green liquid/detergent odor | approx. 13 |

IV. Fire & Explosion Hazard Data

| | | | |
|--|---------------------------------------|---|---|
| Flash Point (Test Method) | Flammable Limits | UEL | LEL |
| N/A | Auto Ignition Temperature | | |
| Extinguishing Media | | | |
| <input checked="" type="checkbox"/> FOAM | <input type="checkbox"/> CO 2 | <input checked="" type="checkbox"/> WATER SPRAY | <input type="checkbox"/> NOT APPLICABLE |
| <input type="checkbox"/> ALCOHOL FOAM | <input type="checkbox"/> DRY CHEMICAL | <input checked="" type="checkbox"/> WATER | <input type="checkbox"/> OTHER |
| Special Fire Fighting Procedures | | | |
| NONE, MATERIAL IS NOT FLAMABLE | | | |
| Unusual Fire & Explosion Hazards | | | |
| NONE | | | |

| V. Health Hazard Data | | | | |
|---|----------|---|---|------------|
| Threshold Limit Value of Product | OSHA TEV | ACGTH | TLV | Carcinogen |
| N/A | | | | NONE |
| Symptoms Of Exposure And Routes Of Entry | | | | |
| EYES: PRODUCT IS DESTRUCTIVE OF EYE TISSUE | | | | |
| SKIN: PRODUCT IS DESTRUCTIVE TO TISSUE. WILL CAUSE BURNS. | | | | |
| INHALATION: PRODUCT IS DESTRUCTIVE TO NASAL AND RESPIRATORY TRACT. | | | | |
| INGESTION: RESULTS IN SEVER DAMAGE TO MUCOUS MEMBRANES AND DEEP TISSUE. | | | | |
| FIRST AID | | | | |
| EYES: FLUSH WITH LARGE AMOUNTS OF WATER. CONSULT A PHYSICIAN. | | | | |
| SKIN: WASH WITH WATER. REMOVE CONTAMINATED CLOTHING AND FOOT WEAR SEEK MEDICAL ATTENTION. | | | | |
| INHALATION: GET PERSON OUT OF CONTAMINATED AREA TO FRESH AIR. SEEK MEDICAL ATTENTION. | | | | |
| INGESTION: <u>DO NOT INDUCE VOMITING.</u> GIVE LARGE QUANTITIES OF WATER OR MILK. CONSULT A PHYSICIAN IMMEDIATELY. | | | | |
| VI. Reactivity Data | | | | |
| Stability | | Unstable | Conditions To Avoid extreme temperatures, direct sunlight. | |
| | X | Stable | | |
| Incompatibility | | Materials To Avoid AMPHOTERIC METALS: STRONG ACIDS | | |
| Hazardous | | May Occur | | |
| Polymerization | X | Will Not Occur | | |
| Hazardous Decomposition Products NONE | | | | |
| VII. Environmental Protection Procedures | | | | |
| Spill Response | | | | |
| SMALL SPILLS: ABSORB ON SAND OR OTHER ABSORBENT. | | | | |
| LARGE SPILLS: DIKE AREA USING PROTECTIVE CLOTHING. TRANSFER TO APPROVED CONTAINERS FOR DISPOSAL. | | | | |
| Waste Disposal Method | | | | |
| CONTAMINATED MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH ALL STATE, LOCAL & FEDERAL REGULATIONS. | | | | |
| VIII. Special Protection Information | | | | |
| Eye Protection | | Skin Protection | | |
| SAFETY GOGGLES RECOMMENDED | | RUBBER GLOVES RECOMMENDED | | |
| Respiratory Protection(Specific Type) | | Ventilation Recommended | | |
| NONE | | LOCAL EXHAUST. | | |
| Other Protection | | | | |
| NONE | | | | |
| IX. Special Precautions | | | | |
| Hygienic Practices In Handling & Storage | | | | |
| WASH HANDS AFTER USE. KEEP CONTAINER CLOSED KEEP FROM FREEZING. | | | | |
| Other Precautions | | | | |
| NONE | | | | |
| Disposal Of Empty Containers | | | | |
| DISPOSE OF IN ACCORDANCE WITH ALL STATE, LOCAL, & FEDERAL REGULATIONS. | | | | |
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