

# 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     | 3 |
| FIRE       | 0 |
| REACTIVITY | 0 |
| SPECIAL    | D |

### I. General Information

|                                                                                 |                       |         |                     |
|---------------------------------------------------------------------------------|-----------------------|---------|---------------------|
| SOLD BY                                                                         | Trade Name & Synonyms |         |                     |
| BUTLER CHEMICALS<br>1283 N. GROVE ST.<br>ANAHEIM, CA 92806                      | DOMINATE              |         |                     |
| DOT Hazard Classification                                                       | Chemical Family       |         |                     |
| CORROSIVE LIQUID                                                                | MIXTURE               |         |                     |
| Proper DOT Shipping Name                                                        |                       |         |                     |
| CORROSIVE LIQUIDS, BASIC INORGANICS, N.O.S.,(SODIUM HYDROXIDE) 8, UN3266, 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 | P.E.L.              | TLV    |
|----------------------|------------|---------|---------------------|--------|
| SODIUM HYDROXIDE     | 1310-73-2  |         | 2 mg/m <sup>3</sup> | 2mg/m3 |
| NONIONIC SURFACTANT  | 9016-45-9  |         |                     |        |
|                      |            |         |                     |        |
|                      |            |         |                     |        |
|                      |            |         |                     |        |

### III. Physical Data

|                               |                              |
|-------------------------------|------------------------------|
| Boiling Point(F)              | Specific Gravity(H2O=1)      |
| over 212                      | 1.44                         |
| Vapor Pressure(mm Hg)         | V.O.C. CONTENT               |
| 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                           |
| blue aqua liquid/ammonia odor | 13.4                         |

### IV. Fire & Explosion Hazard Data

|                                       |                                                  |                                           |                                         |
|---------------------------------------|--------------------------------------------------|-------------------------------------------|-----------------------------------------|
| Flash Point (Test Method)             | Flammable Limits                                 | UEL                                       | LEL                                     |
| OVER 200 F. TCC                       | Auto Ignition Temperature                        |                                           |                                         |
| Extinguishing Media                   |                                                  |                                           |                                         |
| <input type="checkbox"/> FOAM         | <input checked="" type="checkbox"/> CO 2         | <input type="checkbox"/> WATER SPRAY      | <input type="checkbox"/> NOT APPLICABLE |
| <input type="checkbox"/> ALCOHOL FOAM | <input checked="" 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                                                                                                                                                                                                                                                                                                                                                                                                                                |   | Carcinogen                                            |                                                              |
| N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | NONE LISTED                                           |                                                              |
| 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.                                                                                                                                                                                                                                                                                                                                                                                         |   |                                                       |                                                              |
| <b>FIRST AID</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |                                                       |                                                              |
| 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<br>contact with strong metals and acids  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | X | Stable                                                |                                                              |
| Incompatibility                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   | Materials To Avoid<br>AMPHOTERIC METALS: STRONG ACIDS |                                                              |
| Hazardous                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   | May Occur                                             | Conditions to Avoid<br>DIRECT SUNLIGHT, EXTREME TEMPERATURES |
| Polymerization                                                                                                                                                                                                                                                                                                                                                                                                                                                  | X | Will Not Occur                                        |                                                              |
| Hazardous Decomposition Products<br>NONE                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                       |                                                              |
| VII. Environmental Protection Procedures                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                       |                                                              |
| Spill Response                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                       |                                                              |
| SMALL SPILLS: ABSORB WITH 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                                       |                                                              |
| FACE SHIELD                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   | RUBBER GLOVES RECOMMENDED                             |                                                              |
| Respiratory Protection(Specific Type)                                                                                                                                                                                                                                                                                                                                                                                                                           |   | Ventilation Recommended                               |                                                              |
| NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   | LOCAL EXHAUST.                                        |                                                              |
| Other Protection                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |                                                       |                                                              |
| SYNTHETIC APRON                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |                                                       |                                                              |
| 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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