MATERIAL SAFETY DATA SHEET

United States Gypsum Company
101 S. Wacker Drive
Chicago, IL 60606-4385

Emergency No.: (312) 606-4542
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SECTION I

PRODUCT GROUP: HYDROCAL* - OTHER

Special LOW EXPANSION HYDROCAL*:
HYDROCAL* A-11 Gypsum Cement
HYDROCAL* B-11 Gypsum Cement

HYDROMITE* Products:
HYDROMITE* Gypsum Cement
Oil Well HYDROMITE*, A-120

HYDROPERM* Products:
HYDROPERM* Permeable Metal Casting Plaster
HYDROPERM* MB
HYDROCAL* Alcoa 1 & 2

HYDROCAL* Oil Well Cements
CAL-SEAL* 60 Gypsum Cement
CAL-SEAL* HT-120 Gypsum Cement
BJ-60 Gypsum Cement
D-53 Gypsum Cement
PC-60 Gypsum Cement
W-60 Gypsum Cement
W-120 Gypsum Cement
A-10 Gypsum Cement

HYDROCAL* QSA Gypsum Cements:
HYDROCAL* QSA-1 Gypsum Cement
HYDROCAL* QSA-2 Gypsum Cement

HYDROCAL* High PC Cements:
DURACAL* Cement
DURACAL* Cement AE
DURACAL* Cement AG
HYDROCAL* AF-10
HYDROCAL* F & A
HYDROCAL* 300-G
HYDROCAL* 800-G
QUICKCRETE*
SAT* Base Cement
Special CERAMICAL*
HYDROSTONE* S-X
HYDROSTONE* LF
HYDROSTONE Slo-Set
HYDROSTONE* QX
HYDROSTONE* Gypsum Cement
HYDROSTONE* RT-120
HYDROSTONE* RT-45
HYDROSTONE* RT-60
HYDROSTONE* RT
HYDROSTONE* RT Special
HYDROSTONE* TF
HYDROSTONE* CP
HYDROSTONE* RT & 961 Yellow
HYDROSTONE* RT 120
HYDROSTONE* TNS
HYDROSTONE* ME
HYDROSTONE* TB
HYDROSTONE* 961 Grey

* - Trademark of United States Gypsum Company or an affiliated company

CHEMICAL FAMILY: CaSO4 . 1/2H2O
SECTION II
INGREDIENTS

<table>
<thead>
<tr>
<th>MATERIALS</th>
<th>%</th>
<th>PEL mg/m³</th>
<th>TLV mg/m³</th>
<th>CAS No.</th>
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<tbody>
<tr>
<td>Plaster of Paris</td>
<td>40-100</td>
<td>10</td>
<td>15/5(R)</td>
<td>7778-18-9</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>0-50</td>
<td>10</td>
<td>15/5(R)</td>
<td>65997-15-1</td>
</tr>
<tr>
<td>Pot. Naphthalene Sulfonate</td>
<td>0-30</td>
<td>(NE)</td>
<td>(NE)</td>
<td>9069-79-8</td>
</tr>
<tr>
<td>Talc</td>
<td>0-25</td>
<td>2(R)</td>
<td>2(R)</td>
<td>14807-96-6</td>
</tr>
<tr>
<td>Potassium Sulfate</td>
<td>0-4</td>
<td>(NE)</td>
<td>(NE)</td>
<td>7778-80-5</td>
</tr>
<tr>
<td>Starch</td>
<td>0-1</td>
<td>10</td>
<td>15/5(R)</td>
<td>9005-25-8</td>
</tr>
<tr>
<td>Ammonium Chloride</td>
<td>0-0.6</td>
<td>10(F)</td>
<td>(NE)</td>
<td>12125-02-9</td>
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<tr>
<td>Monosodium Phosphate</td>
<td>0-0.6</td>
<td>(NE)</td>
<td>(NE)</td>
<td>7558-80-7</td>
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<tr>
<td>Tributyl Phosphate</td>
<td>0-0.1</td>
<td>2.5(T)</td>
<td>2.5(T)</td>
<td>126-73-8</td>
</tr>
<tr>
<td>Sodium Citrate</td>
<td>0-(Tr)</td>
<td>(NE)</td>
<td>(NE)</td>
<td>77-92-9</td>
</tr>
<tr>
<td>Calcium Salt of Polymerized</td>
<td>0-(Tr)</td>
<td>(NE)</td>
<td>(NE)</td>
<td>8061-52-7</td>
</tr>
<tr>
<td>Arylalkyl-Sulfonic Acids</td>
<td>0-(Tr)</td>
<td>5(M)</td>
<td>5(M)</td>
<td>64741-89-5</td>
</tr>
</tbody>
</table>

(T) Total  (R) Respirable  (NE) Not Established  (Tr) Trace  (M) Mist  (F) Fume

SECTION III
PHYSICAL DATA

MELTING POINT: 1450°C - decomposes
SPECIFIC GRAVITY: 2.7 - 3.0
APPEARANCE AND ODOR: White powder, low odor.
SOLUBILITY IN WATER: 0.2%
HARDENING TIME: Varies. Check usage and/or product specification data for each product.

SECTION IV
FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): None
EXTINGUISHING MEDIA: Not combustible
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V
HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
ACUTE:
EYES: Portland cement is a strongly alkaline material. Contact with eyes will cause irritation and possible corrosion damage.
SKIN: When mixed with water, this material hardens and then slowly becomes hot. DO NOT attempt to make a cast enclosing any part of the body. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissue. May dry skin.
INHALATION: Irritating and may be corrosive to respiratory tract.
INGESTION: May be corrosive to the digestive tract. Plaster hardens when wetted and, if ingested, may result in obstruction.
CHRONIC:
EYES: None known.
SKIN: None known.
INHALATION: Long term inhalation of large amounts of respirable talc dust can cause lung damage (pulmonary fibrosis).
INGESTION: No chronic effects known.

EMERGENCY AND FIRST AID PROCEDURES:
EYES: Flush eyes with water for 15 minutes, including under lids. Call PHYSICIAN.
SKIN: Wash contaminated area with large amounts of water.
INHALATION: Remove to fresh air. Contact PHYSICIAN
INGESTION: Dilute by giving 2 glasses of milk or water to drink, followed by fruit juices or diluted vinegar to neutralize the alkali from the portland cement containing materials. Consult PHYSICIAN. Plaster hardens when wetted and, if ingested, may result in obstruction. See PHYSICIAN.
TARGET ORGAN: Lungs

MEDICAL CONDITION WHICH MAY BE AGGRAVATED: Pre-existing upper respiratory and lung disease such as, but not limited to, bronchitis, emphysema and asthma.
PRIMARY ROUTE OF ENTRY: Inhalation.

CARCINOGENICITY OF INGREDIENTS:

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>2A</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

SECTION VI
REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: Acids
HAZARDOUS DECOMPOSITION PRODUCTS: Above 1450°C - CaO and SO2
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII
SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep or vacuum material from spillage into a waste container for disposal. Avoid dusting conditions.
WASTE DISPOSAL METHOD: This material can be disposed of as inert solid in a landfill or by other procedures which are accepted under federal, state and local regulations. Slurry may plug drains.
SECTION VIII
SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Provide general ventilation and local exhaust ventilation to meet TLV requirements. When dusty condition exists, wear an approved dust mask to guard against nuisance particles.

PROTECTIVE EQUIPMENT: Gloves or protective clothing are usually, but not necessarily, desirable in specific work situations. Eye protection (goggles) may be needed to avoid particulate irritation of the eye.

SECTION IX
SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Be sure proper ventilation and respiratory and eye protection are used in dusty conditions. Dew point conditions, or other conditions causing the presence of liquid water will harden plaster during storage.