

# UNITED 492



## MATERIAL SAFETY DATA SHEET

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To Reorder Call:  
800-323-2594

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME**  
UNITED 492 BLACK GOLD

**USE/DESCRIPTION**  
Industrial, Solvent-Free, Low VOC Degreaser

FOR MEDICAL AND TRANSPORTATION EMERGENCIES  
24 Hour INFOTRAC (US and CANADA): 800-535-5053

**REVISION DATE**  
July 29, 2013

#### HMIS III HEALTH (0 = Maximum Safety)

**3**

Always follow Label Directions and Cautions.

\* Chronic 2 Moderate  
4 Severe 1 Slight  
3 Serious 0 Minimal  
See Hazards Identification Section of this MSDS  
for more detailed information.

#### PHYSICAL HAZARD (0 = Maximum Safety)

**0**

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire. 2 Violent chemical change possible-use hose stream from distance  
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. 1 Unstable if heated-use precaution.  
0 Normally stable.

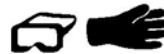
#### FLAMMABILITY (0 = Maximum Safety)

**0**

Susceptibility of Material to Burning.

4 Extremely flammable. 1 Must be preheated  
3 Ignites at normal temperature. to burn.  
2 Ignites when moderately heated. 0 Will not burn.

**PERSONAL PROTECTION: N & P**



### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Potassium hydroxide	1310-58-3	5-10	2 mg/m3	NE	365 mg/kg (Rat/oral)	NE
Sodium Metasilicate	6834-92-0	1-5	NE	NE	1153 mg/kg (Rat/oral)	NE
Ethoxylated Alcohol	68439-46-3	1-5	NE	NE	NE	NE
Ethoxylated alkyl amine	68478-95-5	5-10	NE	NE	NE	NE

### 3. HAZARDS IDENTIFICATION

**Eyes:** Can cause severe irritation, burns and destruction of tissue. May cause permanent damage and blindness.

**Skin:** May cause tissue destruction and severe burns. A latent period may exist between exposure and sense of irritation.

**Inhalation:** Vapors or mist may cause damage to the upper respiratory tract and to the lung tissue.

**Ingestion:** Can cause very serious damage to the mouth, esophagus, stomach and other contacted tissues and may be fatal. Aspiration into the lungs during vomiting may cause chemical pneumonitis and pulmonary edema/hemorrhage.

### 4. FIRST AID MEASURES

**Eyes:** Immediately flush with plenty of water for at least 15 minutes. Hold eyelids open during flushing. Call a physician or poison center immediately.

**Skin:** Flush area with water while removing contaminated clothing. Follow by washing with soap and water. If irritation persists, call a physician or poison center.

**Inhalation:** Remove to fresh air. Apply artificial respiration if needed. If irritation persists, call a physician.

**Ingestion:** DO NOT induce vomiting. If conscious, drink large amounts of water and call a physician immediately.

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** > 212°F/100°C

**Explosive Limits:** Lower (LEL): ND Upper (UEL): ND

**Flame Projection (Aerosol):** NA

**Hazardous Products of Combustion:** When strongly heated, as in a fire, this product may produce carbon dioxide, carbon monoxide and oxides of potassium.

**Fire and Explosion Hazards:** None known.

**Extinguishing Media:** Carbon dioxide, dry chemical, water fog, foam.

**Fire Fighting Instructions:** Wear self-contained breathing apparatus w/full protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Spills of up to one gallon may be diluted with plenty of water and flushed to the nearest sewer.

**Large Spills:** For large spills, dike and collect on suitable sorbent. Place in corrosion resistant container for proper disposal.

## 7. HANDLING AND STORAGE

Keep in a properly labeled, tightly closed container. Store in a cool, dry and well ventilated area away from sources of ignition and incompatible materials. Keep containers from hard freezing as they may split or rupture. Remove contaminated clothing immediately and wash with soap and water before reusing. Wash hands and face with soap and water after using this product.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Wear chemical safety goggles.

**Skin:** Wear chemical resistant gloves.

**Respiratory:** Not normally required if good ventilation is maintained. Use a NIOSH/MSHA approved respirator if PELs or TLVs are exceeded.

**Other Protective Clothing or Equipment:** Chemical resistant protective clothing is recommended.

**Engineering Controls:** Maintain good ventilation and local exhaust is generally adequate.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** >212°F/>100°C    **Specific Gravity:** 1.08 (H<sub>2</sub>O=1)    **Vapor Pressure:** ND    **Melting Point:** ND  
**Vapor Density:** ND    **Evaporation Rate:** ~ 1    **Solubility in Water:** Complete    **pH:** 14  
**Appearance and Odor:** Yellow liquid with citrus odor.

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** When strongly heated, as in a fire, this product may produce carbon dioxide, carbon monoxide and oxides of potassium.

**Chemical Stability:** Stable

**Incompatibility:** Do not mix with other cleaning chemicals, especially acids or strong oxidizers (like bleach).

## 11. TOXICOLOGICAL INFORMATION

**Carcinogenicity (NTP/IARC/OSHA):** No

**California Proposition 65:** Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? No

## 12. ECOLOGICAL INFORMATION

ND

## 13. DISPOSAL CONSIDERATIONS

Consult your local, state, provincial and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

## 14. TRANSPORT INFORMATION

**DOT-Land:** 1 gallon containers: Commodity, ORM-D (Cleaning, Scouring or Washing Compounds)

>1 gallon containers: UN 3266, Corrosive Liquid, basic, Inorganic, N.O.S., (Sodium Hydroxide, Sodium bisulfite), 8, PG III

**TDG:** Available upon request

**UN:** Available upon request

## 15. REGULATORY INFORMATION

**VOC (Volatile Organic Compounds):** 0.10 pounds per gallon of product

**TSCA (Toxic Substances Control Act):** Listed

**SARA Title III Section 302 EHS:** ND

**SARA Title III Section 311/312:** ND

**SARA Title III Section 313 Toxic Chemicals:** None

**WHMIS Classification:**

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

**UNITED 492 BLACK GOLD**

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