



MATERIAL SAFETY DATA SHEET

LABORATORIES

320 37th Avenue • St. Charles, Illinois 60174 • To Reorder, Call 800-323-2594

PRODUCT IDENTIFICATION
UNITED 492
BLACK GOLD

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

REVISION DATE
December 22, 2005

FOR MEDICAL AND
TRANSPORTATION EMERGENCIES:
INFOTRAC: 800-535-5053

HEALTH (0 = Maximum Safety) **3**
Always follow Label Directions and Cautions.
4 Extreme. 3 High. 2 Moderate. 1 Slight. 0 Minimal.
See Health Hazard Data Section of this M.S.D.S.
for more detailed information.

REACTIVITY (0 = Maximum Safety) **0**
Susceptible to Release of Energy.
4 May detonate-vacate area if
Materials are exposed to fire.
3 Strong shock of heat may
detonate-use monitors from
behind explosion resistant
barriers.
2 Violent chemical change
possible-use hose stream
from distance
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 to burn.
3 Ignites at normal temperature. 0 Will not burn.
2 Ignites when moderately heated.

PERSONAL
PROTECTION



**HAZARDOUS COMPONENTS
IDENTITY, EXPOSURE LIMITS AND S.A.R.A. TITLE III INFORMATION**

HAZARDOUS COMPONENTS	CAS NUMBER	ACGIH TWA	ACGIH STEL	OSHA PEL TWA	OTHER RECOMMENDED LIMITS	S.A.R.A. TITLE III QUANTITIES
Potassium hydroxide	1310-58-3	Not established	Ceiling: 2 mg/m ³	Not established	NIOSH TWA 2 mg/m ³	None
Sodium metasilicate	6834-92-0	Not established	Not established	Not established	Not established	None
Ethoxylated Alcohol	68439-46-3	Not established	Not established	Not established	Not established	None
Ethoxylated Alkyl Amine	218141-23-2	Not established	Not established	Not established	Not established	None

PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT Approximately 212°F	SPECIFIC GRAVITY (H:0 = 1) 1.08
VAPOR PRESSURE (mm Hg.) (At 77° F) Not determined	MELTING POINT Not determined
VAPOR DENSITY (Air = 1) Not determined	EVAPORATION RATE (Water = 1) Approximately 1.0
SOLUBILITY IN WATER Complete	VOLATILE ORGANIC COMPOUNDS (V.O.C.) (Pounds Per Gallon Of Product) 0.10
APPEARANCE AND ODOR Yellow liquid with citrus odor	pH: 14

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used) > 212° F (Tag Closed Cup)	FLAMMABLE LIMITS Not determined	LEL Not determined	UEL Not determined
EXTINGUISHING MEDIA Carbon dioxide, dry chemical, water fog, foam			
SPECIAL FIRE FIGHTING PROCEDURES Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.			

UNUSUAL FIRE AND EXPLOSION HAZARDS
None known

REACTIVITY DATA

STABILITY:STABLE
UNSTABLE **CONDITIONS TO AVOID**

None known

INCOMPATIBILITY (Materials To Avoid)

Do not mix this product with other cleaning chemicals, especially acids or strong oxidizers (like bleach).

HAZARDOUS DECOMPOSITION OR BY PRODUCTS

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

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
MAY OCCUR **CONDITIONS TO AVOID**

None known

HEALTH HAZARD DATA

HEALTH HAZARDS**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. **IF SWALLOWED:** 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.

CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

This product contains a chemical known to the state of California to cause cancer or reproductive toxicity? No

SIGNS AND SYMPTOMS OF OVEREXPOSURE**EYES:** Stinging, tearing, redness, swelling and loss of vision **SKIN:** Redness, burning, swelling and tissue destruction**INHALATION:** Nausea, headache, dizziness, internal bleeding, coughing and decreased breathing capacity**IF SWALLOWED:** Diarrhea, vomiting, burns, internal bleeding and dizziness**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Impaired kidney and liver functions from pre-existing

disorders may be aggravated by overexposure.

TARGET ORGANS

Eyes, skin, respiratory system, gastrointestinal tract, Central Nervous System

EMERGENCY AND FIRST AID PROCEDURE**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.**INHALATION:** Remove to fresh air. Apply artificial respiration if needed. If irritation persists, call a physician.**IF SWALLOWED:** DO NOT induce vomiting. If conscious, drink large amounts of water and call a physician immediately.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Spills of up to one gallon may be diluted with plenty of water and flushed to the nearest sewer. For large spills, dike and collect on suitable sorbent.

Place in corrosion resistant container for proper disposal.

WASTE DISPOSAL METHOD

Consult local, state, and federal authorities for proper disposal guidelines.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store properly labeled containers tightly closed in a cool, dry and well ventilated area. Store away from incompatible materials.

Keep containers from hard freezing as they may split or rupture.

CONTROL MEASURES

FOR USE WHERE SIGNIFICANT EYE, SKIN OR INHALATION EXPOSURE IS LIKELY

RESPIRATORY PROTECTION (Specify Type)

If TLV is exceeded or if misting, use a NIOSH approved respirator.

VENTILATION: MECHANICAL (General)
Provide adequate ventilation**LOCAL EXHAUST**
Generally adequate**PROTECTIVE GLOVES**

Rubber gloves

EYE PROTECTION

Safety goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Chemical resistant protective clothing is recommended.

WORK HYGIENIC PRACTICES

Remove contaminated clothing immediately and wash with soap and water before reusing. Wash hands and face with soap and water after using this product.