

Marquis Reagent 902 & 7602

COPY

MATERIAL SAFETY DATA SHEET

PRODUCT

902 & 7602 Marquis Reagent



SECTION 1 - IDENTITY

Name	ODV, Inc.	Address	P.O. Box 180, 9 Swallow Road, S. Paris, ME 04281	
Telephone Number	207-743-7712	For Additional Information Contact:	Date Prepared	
		Larry Dow	May 1, 1993	
Common name (used on Label)	902 or 7602 Marquis Reagent			
Trade name & Synonyms	NarcoPouch® & Narcotest®	Chemical Family	Does Not Apply	
Chemical Name	Does Not Apply	Formula	Does Not Apply	

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	% (wt)	TLV	PEL
Sulfuric Acid concentrated ACS grade	7664-93-9	96	1 mg/m³/10 hr.	1 mg/m³
Formaldehyde (approx) 37% ACS grade	50-00-0	4	1.5 mg/m³	1.5 mg/m³

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration
TLV: Threshold limit Value established by the American Conference of Governmental Industrial Hygienists, 1987-88.

SECTION 3 - PHYSICAL DATA

BOILING POINT	not determined	SPECIFIC GRAVITY (H ₂ O = 1)	1.56-1.84	VAPOR PRESSURE (mm Hg)	Low
PERCENT VOLATILE BY VOLUME	not determined	VAPOR DENSITY (AIR = 1)	3.40	EVAPORATION RATE	not determined
SOLUBILITY IN WATER	Complete	REACTIVITY IN WATER	Reacts violently when water is added with evolution of heat.		
APPEARANCE AND ODOR	Clear and Colorless and Oderless				

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT	not determined	FLAMMABLE LIMITS IN AIR (% By Volume)	LOWER: not determined	UPPER: not determined
EXTINGUISHING MEDIA	suitable dry chemical	AUTO IGNITION TEMPERATURE	not determined	
UNUSUAL FIRE AND EXPLOSION HAZARDS	Reacts violently when water is added or with organic materials with evolution of heat.			

SPECIAL FIRE FIGHTING PROCEDURES Do not use water to put out fire if the water can get into concentrated sulfuric acid. Use proper respiratory protection against fumes.

SECTION 5 - HEALTH INFORMATION**PRIMARY ROUTES OF EXPOSURE** Inhalation, contact with eyes or skin.**SIGNS AND SYMPTOMS OF EXPOSURE**
(1) **ACUTE OVEREXPOSURE -** Irritation of eyes, nose and throat. Splashes in the eyes or on the skin will cause severe skin burns.(2) **CHRONIC OVEREXPOSURE -** Repeated or prolonged exposure to dilute solutions of sulfuric acid may cause irritation of the skin. Repeated or prolonged exposure to mists or vapors of sulfuric acid may cause erosion of teeth, chronic irritation of the eyes, or chronic inflammation of the nose, throat, and bronchial tubes.**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**
Impaired pulmonary function, pre-existing eye problems, pre-existing skin disorders.**CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN** NTP Yes No IARC Yes No OSHA Yes No
Formaldehyde**OTHER EXPOSURE LIMITS** None.**EMERGENCY & FIRST AID PROCEDURES**
In the case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. If swallowed, do not give emetics. If conscious, give tap water, milk, or milk of magnesia. Call a physician.**SECTION 6 - REACTIVITY DATA****STABILITY** Unstable Stable **CONDITIONS TO AVOID** Avoid adding water to the acid, large amounts of heat is produced.**INCOMPATIBILITY (MATERIALS TO AVOID)**
Avoid contact of acid with organic materials (such as chlorates, carbides, fulminates, and picrates) may cause fires and explosions. Contact of acid with metals may form toxic sulfur dioxide fumes and flammable hydrogen gas.**HAZARDOUS DECOMPOSITION PRODUCTS** Heat, sulfur dioxide, hydrogen.**HAZARDOUS POLYMERIZATION** May occur Will not occur **CONDITIONS TO AVOID** Not applicable to polymerization.**SECTION 7 - SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED**
Avoid adding water to the acid, large amounts of heat is produced.**WASTE DISPOSAL METHOD** Dispose of wastes in accordance with Federal, State and Local codes. Normal disposal includes neutralization and absorption in vermiculite, dry sand, earth, or similar material.**SECTION 8 - PERSONAL PROTECTION INFORMATION****RESPIRATORY PROTECTION** Respiratory protection is not required under normal and intended uses. Self contained breathing apparatus required during fire fighting and spill clean-up.**VENTILATION** Room ventilation is expected to be adequate except during spills or fires.**PROTECTIVE GLOVES** Required when contact with sulfuric acid exists. **EYE PROTECTION** Required when possibility of contact with sulfuric acid exists.**OTHER PROTECTIVE CLOTHING OR EQUIPMENT** An eye wash fountain and safety shower should be readily available where contact with sulfuric acid exists.**SECTION 9 - SPECIAL PRECAUTIONS****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING** Store and handle according to packaged instructions. Store in a cool well ventilated area. Keep away from reactive materials.**OTHER PRECAUTIONS** Do not get in eyes, on skin, or on clothing. Avoid breathing vapor. Wash thoroughly after handling. Be prepared to neutralize.

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. ODV, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.