

Mecke's Modified Reagent, 924 or 7624

COPY

MATERIAL SAFETY DATA SHEET

PRODUCT

924 or 7624
Mecke's Modified 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:	Larry Dow	Date Prepared
		May 1, 1993		
Common name (used on Label) 924 or 7624 Mecke's Modified Reagent				
Trade name & Synonyms		Chemical Family		
NarcoPouch® or Narcotest®		Does Not Apply		
Chemical Name		Formula		
Does Not Apply		Does Not Apply		

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	% (wt)	TLV	PEL
Sulfuric Acid (H ₂ SO ₄) left ampoule	7664-93-9	100%	1 mg/m ³ /10 hr.	1 mg/m ³
Sulfuric Acid (H ₂ SO ₄) right ampoule	7664-93-9	99.46%	1 mg/m ³ /10 hr.	1 mg/m ³
Selenious Acid (H ₂ SeO ₃) right ampoule	7783-00-8	0.54%	1 mg/m ³	1 mg/m ³

Note: This product contains a toxic chemical or chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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)	VAPOR PRESSURE (mm Hg)
		1.56-1.84 (H ₂ SO ₄)	Low
PERCENT VOLATILE BY VOLUME	VAPOR DENSITY (AIR = 1)	EVAPORATION RATE	
Not determined	3.40 (H ₂ SO ₄)	Not determined	
SOLUBILITY IN WATER	REACTIVITY IN WATER	May generate large amounts of heat	
complete			
APPEARANCE AND ODOR	Clear colorless and odorless		

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 with water and 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 Irritation of eyes, nose, and throat. Splashes in the eyes or on the skin will cause severe skin burns.
(1) ACUTE OVEREXPOSURE -

(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
 none

OTHER EXPOSURE LIMITS
 none

EMERGENCY & FIRST AID PROCEDURES

In 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 of magnesia. Call a physician.

SECTION 6 - REACTIVITY DATA

STABILITY Unstable Stable **CONDITIONS TO AVOID:** Avoid adding water to the acids, large amounts of heat is produced

INCOMPATIBILITY (MATERIALS TO AVOID)

Contact of acid with organic materials (such as 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 for polymerization

SECTION 7 - SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED**

Wear protective equipment; ventilate area; cover the contaminated surface with sodium bicarbonate or a soda ash-slaked lime mixture (50-50). Mix and add water if necessary to form a slurry. Scoop up slurry.

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 fires or spills.

PROTECTIVE GLOVES Required when contact with sulfuric acid exists.

EYE PROTECTION Required when the possibility of contact with sulfuric acid exists.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

An eye wash fountain and safety shower should be readily available where the potential exists for 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 the eyes, on skin, or on clothing. Avoid breathing vapor. Wash thoroughly after handling. Be prepared to neutralize promptly.

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.