

Modified Chen's Reagent 927/7627

COPY

MATERIAL SAFETY DATA SHEET

PRODUCT

927/7627,
Modified Chen's Reagent
for Ephedrine



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) 927/7627 Modified Chen's 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
Copper sulfate aqueous, 1st Ampoule	7758-99-8	10 %	No TVL	No PEL
Acetic Acid aqueous solution, 1st Ampoule	64-19-7	10 %	25 mg/m ³	25 mg/m ³
Sodium Hydroxide aqueous sol.: 2nd ampoule (cap)	1310-73-2	8 %	2 mg/m ³	2 mg/m ³

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) 2.13 (NaOH)	VAPOR PRESSURE (mm Hg) NA (NaOH)
PERCENT VOLATILE BY VOLUME Not determined	VAPOR DENSITY (AIR = 1) Not determined	EVAPORATION RATE Not determined	
SOLUBILITY IN WATER 100% (NaOH), 57% Copper sulfate		REACTIVITY IN WATER None	
APPEARANCE AND ODOR Clear, slightly blue liquid 1st ampoule; colorless liquid NaOH 2nd ampoule.			

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT none	FLAMMABLE LIMITS IN AIR (% By Volume) LOWER: NA UPPER: NA
EXTINGUISHING MEDIA not flammable	AUTO IGNITION TEMPERATURE not applicable
UNUSUAL FIRE AND EXPLOSION HAZARDS None	

SPECIAL FIRE FIGHTING PROCEDURES Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE - Inhalation, Contact with eyes or skin, ingestion.

SIGNS AND SYMPTOMS OF EXPOSURE Irritation of eyes, nose and throat. Splashes in the eyes or on the skin of caustics will cause severe skin burns. Inhalation of vapors may irritate mucous membranes and respiratory tract.

(1) ACUTE OVEREXPOSURE -

(2) CHRONIC OVEREXPOSURE - Repeated or prolonged exposure to dilute solutions of base (NaOH) may cause irritation of the skin.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Impaired pulmonary function, pre-existing eye problems, pre-existing skin disorders may be aggravated by exposure.

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN None	NTP <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	IARC <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	OSHA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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OTHER EXPOSURE LIMITS CuSO₄ LD₅₀ Oral Rabbit 300 mg/kg

EMERGENCY & FIRST AID PROCEDURES

If conscious, induce vomiting and repeat until fluid is clear. In cases of eye contact (any component), flush with water at least 15 minutes. For skin contact, flood with tap water. Call a physician. If 10% NaOH is swallowed dilute with several glasses of water or milk and induce vomiting.

SECTION 6 - REACTIVITY DATA

STABILITY Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	CONDITIONS TO AVOID Not Applicable
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INCOMPATIBILITY (MATERIALS TO AVOID)
Strong oxidizers such as nitrates, perchlorates or sulfuric acid.

HAZARDOUS DECOMPOSITION PRODUCTS
Not applicable

HAZARDOUS POLYMERIZATION May occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>	CONDITIONS TO AVOID Not determined.
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SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED
Minor spill: cover with vermiculite to absorb. Add water if necessary to form slurry.

WASTE DISPOSAL METHOD
Dispose of wastes in accordance with Federal, State, and Local codes.

SECTION 8 - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Respiratory protection is not required under normal uses (non fire and spill conditions).

VENTILATION Room ventilation is expected to be adequate except during spills or fires.

PROTECTIVE GLOVES Required when the potential of contact exists. EYE PROTECTION Required when the potential of contact exists.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT An eye wash fountain and safety shower should be readily available where the potential for eye contact with the reagent exists.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store and handle according to packaged instructions. Store in cool, well ventilated area. Keep away from reactive materials and away from fire hazard.

OTHER PRECAUTIONS Do not get in eyes, on skin, or on clothing. Avoid breathing vapor. Wash thoroughly after handling. Be prepared to neutralize caustics.

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.