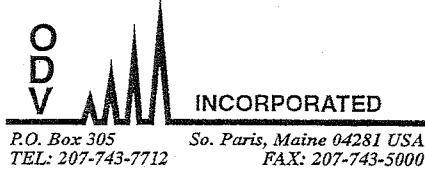


COPY

MATERIAL SAFETY DATA SHEET

PRODUCT

910



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) 910 Acid Neutralizer			
Trade name & Synonyms NarcoPouch®		Chemical Family Does Not Apply	
Chemical Name Soda Ash/Sodium Carbonate		Formula Na <sub>2</sub> CO <sub>3</sub>	

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	% (wt)	TLV	PEL
Sodium Carbonate	497-19-8	100 %		

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 N/A	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) 2.533 @ 25° C	VAPOR PRESSURE (mm Hg) N/A
PERCENT VOLATILE BY VOLUME N/A	VAPOR DENSITY (AIR = 1) N/A	EVAPORATION RATE N/A
SOLUBILITY IN WATER 17% solution @20° C	REACTIVITY IN WATER add cautiously as solutions can get hot	

APPEARANCE AND ODOR: white powder no appreciable odor

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT N/A	FLAMMABLE LIMITS IN AIR (% By Volume) LOWER: UPPER: N/A
EXTINGUISHING MEDIA N/A	AUTO IGNITION TEMPERATURE N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS N/A	

SPECIAL FIRE FIGHTING PROCEDURES: Use extinguishing media appropriate for surrounding fire. For fire fighting wear NIOSH approved self breathing apparatus

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE: respiratory or skin - contact may irritate nose, throat and lungs

SIGNS AND SYMPTOMS OF EXPOSURE

(1) ACUTE OVEREXPOSURE - Moderately toxic LD<sub>50</sub> (rat) 2800 mg/kg

(2) CHRONIC OVEREXPOSURE - Excessive contact may produce "soda ulcers" on hands and perforation of the nasal septum. Sensitivity reactions may occur from prolonged and repeated exposure.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

not known

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN N/A	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 type="checkbox"/> No
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OTHER EXPOSURE LIMITS: Time weighted Average exposure TWAEV for Nuisance Particulate is 10 mg/m<sup>3</sup>

EMERGENCY & FIRST AID PROCEDURES: Inhalation: remove to fresh air. Restore or support breathing.

Ingestion: give 2 or 3 glasses of water to drink to dilute the material. DO NOT INDUCE VOMITING.

SKIN: remove contaminated clothing. Wash affected area of skin with soap and water. Get medical attention if irritation persists.

Eyes: Flush eyes promptly with plenty of running water for at least 15 minutes and get medical attention.

SECTION 6 - REACTIVITY DATA

STABILITY Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	CONDITIONS TO AVOID: Exposure to lime dust CaO in the presence of moisture (perspiration) forms corrosive caustic soda (NaOH) which may cause burns.
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INCOMPATIBILITY (MATERIALS TO AVOID):  
Avoid storing near acids

HAZARDOUS DECOMPOSITION PRODUCTS:

Heating liberates Na<sub>2</sub>O + CO<sub>2</sub> gas

HAZARDOUS POLYMERIZATION  
May occur  Will not occur

CONDITIONS TO AVOID: Contact with acids will release carbon dioxide gas. Can react violently with red hot aluminum metal, fluorine gas, lithium, & trinitrotoluene.

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED: Shovel up dry chemical and place into an empty container with cover. Cautiously spray residue with plenty of water. Keep contaminated water from entering sewers and water courses.

WASTE DISPOSAL METHOD: consistent with the requirements of local waste disposal authorities. If permitted bury in solid waste landfill or dissolve in water using caution as solution can get hot. Neutralize with acid and flush to sewer with plenty of water. Good ventilation is required during neutralization due to release of CO<sub>2</sub> gas.

SECTION 8 - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: for dusty conditions wear NIOSH approved dust or mist respirator.

VENTILATION - local exhaust in areas where dusty or misty conditions prevail

PROTECTIVE GLOVES - cotton gloves are sufficient for handling dry material

EYE PROTECTION - should always be worn when handling chemicals

OTHER PROTECTIVE CLOTHING OR EQUIPMENT - as needed to protect from skin contact

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING - keep dry - do not store with acids - prolonged storage may cause the product to cake from absorbing atmospheric moisture.