

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.



PRODUCT IDENTITY – SECTION I

PRODUCT NAME: PASSIVATOR 666 CAS #: See Below MANUFACTURER: Arcal Chemicals, Inc. ADDRESS: 223 West Hampton Avenue Capitol Heights, MD 20743	EMERGENCY PHONE: Chem Trec / 800-424 -9300 REVISION DATE: January 1, 2009 OTHER PHONE: 301-336-9300 FAX: 301-336-6597
--	--

HAZARDOUS INGREDIENTS / OTHER COMPONENTS – SECTION II

MATERIAL / CAS #	%	ACGIH (TLV – TWA)	OSHA (PEL -TWA)
Nitric Acid Solution/ CAS # 7697-37-2		2 ppm	2 ppm

PHYSICAL DATA – SECTION III

APPEARANCE Clear Solution	ODOR Acid Odor	MELT POINT N/A	SPECIFIC GRAVITY 1.17
VAPOR DENSITY N/A	% VOLATILE BY VOLUME 100 %	BULK DENSITY	BOILING POINT 110°C
VAPOR PRESSURE mmHg °f N/A	% SOLUBILITY (H2O) Complete		

FIRE AND EXPLOSION HAZARD DATA – SECTION IV

FLASH POINT & METHOD: None	NFPA FIRE HAZARDS <table border="1"> <tr> <td>HEALTH</td> <td>3</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>REACTIVITY</td> <td>3</td> </tr> <tr> <td>SPECIFIC</td> <td>0</td> </tr> </table>	HEALTH	3	FLAMMABILITY	0	REACTIVITY	3	SPECIFIC	0
HEALTH		3							
FLAMMABILITY		0							
REACTIVITY		3							
SPECIFIC	0								
FLAMMABLE LIMITS: N/A									
EXTINGUISHING MEDIA: Water, dry chemicals, foam									
SPECIAL FIRE FIGHTING PROCEDURES:									
UNUSUAL FIRE AND EXPLOSION HAZARDS: DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: Hydrogen Fluoride & Oxides of Nitrogen EMPTY CONTAINER:	4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT								

REACTIVITY DATA – SECTION V

Stability: Stable **Conditions to avoid:**

Incompatibility (Material to avoid): Avoid contact with easily oxidizable materials like alcohols & alkaline material.

Hazardous decomposition byproducts:

Hazardous Polymerization:

HEALTH HAZARD DATA – SECTION VI

Route(s) of Entry:	Inhalation? X	Skin? X	Ingestion? Unlikely
---------------------------	-------------------------	-------------------	-------------------------------

Health Hazards (Acute and Chronic):
Severe burns on skin and eyes; irritation of respiratory track;
Chronic exposure could result in skin irritation and/or lung problems

Carcinogenicity:	NTP? --	IARC Monographs? --	OSHA? --
-------------------------	----------------	----------------------------	-----------------

Medical conditions generally aggravated by exposure:

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

SKIN CONTACT: Remove any contaminated clothing and wash skin thoroughly with soap & water.

INHALATION: If over come by vapor, remove from exposure.

INGESTION: If ingested, DO NOT INDUCE VOMITING. Call a physician immediately.

PRECAUTIONS FOR SAFE HANDLING AND USE – SECTION VII

Steps to be taken in case material is released or spilled: Collect with inert material. Flush area with plenty of water.

Waste Disposal Method: Dilute with plenty of water and neutralize with caustic soda solution. Dispose in accordance with local, state, and federal regulations.

Precautions to be taken in handling and storing: Keep containers and storage containers closed when not in use.

CONTROL MEASURES – SECTION VIII

Respiratory or breathing apparatus: Use supplied-air respiratory protection in confined or enclosed spaces.

Ventilation:	Local Exhaust: Yes	Special:
	Mechanical:	Other:

Protective Gloves: Chemical resistant gloves. **Eye Protection:** Use goggles or face shield.

Other Protective Clothing or Equipment: Chemical resistant clothing to avoid contamination of regular clothing.

TRANSPORTATION INFORMATION

UN2031, NITRIC ACID, 8, PG:II (Labels: CORROSIVE)