

# 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

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

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

## FIRE AND EXPLOSION HAZARD DATA – SECTION IV

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

<b>Route(s) of Entry:</b>	<b>Inhalation?</b> X	<b>Skin?</b> X	<b>Ingestion?</b> Unlikely
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**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

<b>Carcinogenicity:</b>	<b>NTP?</b> --	<b>IARC Monographs?</b> --	<b>OSHA?</b> --
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**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.

<b>Ventilation:</b>	<b>Local Exhaust:</b> Yes	<b>Special:</b>
	<b>Mechanical:</b>	<b>Other:</b>

**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)