

**MATERIAL SAFETY DATASHEET**  
**PASSIVATING PASTE**  
(Please ensure that this MSDS is received by an appropriate person)

Date: 28 June 2017

Version1

Ref no.: M080

**1 PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT IDENTIFICATION**

Product Name	AFROX Passivating Paste
Package	1 Litre Container
Application	Pickling of Stainless Steels
Chemical Formula	
Trade Name	AFROX Passivating Paste
Colour Coding	
Valves	
Company Identification	African Oxygen Limited 23 Webber Street Johannesburg, 2001 Tel. No: (011) 490-0400 Fax No: (011) 490-0506

Emergency no **0860 11 11 85 or  
0860020202 (24 hr)**

**2 COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Nitric Acid
Chemical Family	Acid Passivating Compound
Ingredient Name	Nitric Acid (No other Hazardous Substances present)
CAS No.	7697-37-2
Contents (Class)	20 – 30%
Health Risk	C R35
UN No.	3264
ERG No.	154
Kemler	80
Hazchem Code	2 (X)
Hazard Rating	SAPMA 1-H-F
Hazchem Warning	

**3 HAZARDS IDENTIFICATION**

**Main Hazards  
Adverse Health  
Effects**

**SAPMA Health Rating** **1-SERIOUS** Major injury likely unless prompt action taken and treatment given.

**Chemical Hazards  
Biological Hazards**

**Vapour Inhalation** Corrosive

**Eye Contact** Corrosive. Damage possible.

**Skin Contact** **HIGHLY CORROSIVE - CAUSES SEVERE BURNS**

**Ingestion** Corrosive

**4 FIRST AID MEASURES**

**Eye Contact** **ACT FAST** – Rinse immediately with plenty of water and refer to doctor immediately.

**Skin Contact** Drench with plenty of water. Remove contaminated clothing. Use skin clear. In severe cases refer to doctor immediately.

**Ingestion** Wash mouth with plenty of water. **DO NOT** induce vomiting. Refer to doctor immediately.

**Inhalation** Move to fresh air, in case of discomfort seek medical attention.

**5 FIRE FIGHTING MEASURES**

**Extinguishing media** Strong oxidising agent. **STRONG OXIDISER** Foam CO2. Dry Powder. Fog to cool and control. **DO NOT use water jets.**

**Specific Hazards** **DO NOT open containers in storage area.**

**Emergency Actions  
Protective Clothing  
Environmental precautions**

**6 ACCIDENTAL RELEASE MEASURES**

**Personal Precautions**

**Environmental precautions** Keep out of stormwater drains.

**Spillages** Contain and neutralise with diluted alkali before flushing to sewer/effluent.

**7 HANDLING AND STORAGE**

**ACID – CORROSIVE.** Exercise care in the choice of storage area. Keep out of contact with metals and reactive substances. Store only in original containers. Ensure good housekeeping. **STORE AWAY FROM ORGANIC PIGMENTS AND CHEMICALS.**

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Occupational**

**Exposure**

**Hazards**

**Engineering control**

**Measures**

**OEL** TWA

**SAPMA Rating** 1-H-F

**Inhalation** Vapours hazardous.

**NOTE: SPECIAL INORGANIC RESPIRATOR REQUIRED.**

**Personal protection** Respirator, impervious clothing and suitable eye protection.

**Skin** Avoid direct contact, use impervious gloves, apron and boots.

**Eyes** Use face shield and goggles or full face respirator/hood. Avoid direct contact.

**Ingestion** Observe the rules of hygiene. Wash before eating, drinking or smoking.

**APPROPRIATE HAND PROTECTION AND PROTECTIVE CLOTHING MUST ALWAYS BE USED.**

**9 PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL DATA**

Chemical Symbol	
Molecular Weight	
Specific Volume	
Chemical Class	Passivating Compound
Appearance	Amber Viscous Liquid
Density	1.1
pH	<2
Solubility – water	Soluble
Odour	Pungent
Relative density	
Colour	
Taste	

**10 STABILITY AND REACTIVITY**

**Conditions to avoid**

**Incompatible**

**Materials**

**Hazardous Decomposition Products**

**Stability** Stable if stored under normal conditions.

**11 TOXICOLOGICAL INFORMATION**

Acute Toxicity	
Skin & eye contact	
Chronic Toxicity	No record of Chronic Effects found.
Carcinogenicity	

## MATERIAL SAFETY DATASHEET PASSIVATING PASTE

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Mutagenicity  
Reproductive Hazards  
LD50 Oral N/E

Class  
Packaging group  
Packaging instructions

- Cargo
  - Passenger
- Maximum quantity allowed
- Cargo
  - Passenger

### 12 ECOLOGICAL INFORMATION

Medium to long-term environmental effects. Contain, collect and remove.

### 13 DISPOSAL CONSIDERATIONS

**Disposal Methods** Highly Hazardous. Consult responsible waste disposal authority, e.g. Enviroserve.

**Disposal of packaging** Destroy used containers.

### 15 REGULATORY INFORMATION

Reference standard SANS 10234 Supplement

National legislation OHSact and Regulation (85 of 1993)

### 14 TRANSPORT INFORMATION

#### ROAD TRANSPORTATION

UN No. 3264  
IMO Class 8  
EA Code 154  
Hazchem Code 2 (X)  
Kemler 80  
Packing Group 11  
ERG No 154  
Hazchem warning

#### SEA TRANSPORTATION

IMDG  
Class  
Packaging group  
Label

#### AIR TRANSPORTATION

ICAO/IATA Code

### 16 OTHER INFORMATION

ALERT WORKERS TO THIS HAZARD POTENTIAL AND ENSURE PRECAUTIONS ARE TAKEN.  
IN CASE OF ANY DISCOMFORT, ALWAYS SEEK MEDICAL ADVICE.

DATA SOURCE: OEL – Derived from OHS Act Regulations for Dangerous Chemical Substances dated 25 August 1995 (EH-42).  
SAPMA-South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP006: 1991)

### EXCLUSION OF LIABILITY

Information contained in this publication is accurate at the date of publication. The company does not accept liability arising from the use of this information, or the use, application, adaptation or process of any products described herein.

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For product and safety enquiries please phone

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