



Material Safety Datasheet

CAS No 55750-06-6
Date Issued: 2011/08/26
IMIDOX INJECTION

Company Details

<u>Name</u>	Afrivet Business Management(Pty)Ltd	<u>Emergency Tel</u>	0860833278
<u>Address</u>	P.O Box 2009 Faerie Glen 0043	<u>Tel</u>	+27(0)129916416
		<u>Fax</u>	+27(0)129916417

1. Product and Company Identification

<u>Trade / Commercial Name</u>	IMIDOX INJECTION		
<u>Chemical Name</u>	Propionic Acid		
<u>Formula</u>	Imidocarb Dipropionate / Propionic Acid		
<u>Chemical Family</u>			
<u>Synonyms</u>	methyl acetic acid		
<u>Un No</u>	1848	<u>Hazchem Code</u>	2p
<u>ERG No</u>	132	<u>EAC</u>	60

2. Hazards Identification

Corrosive.
Flammable
Contact with liquid causes severe damage: to eyes, to skin.
The substance may poison by inhalation, ingestion or absorption through skin.
Vapours may cause dizziness or suffocation.
Symptoms may develop after several hours.
Fire will produce irritating, corrosive and/or toxic gases.

3. Composition

Hazardous Components PROPIONIC ACID with not less than 10% and less than 90% acid by mass

4. First Aid Measures

<u>First Aid Skin</u>	Remove & isolate contaminated clothing, including shoes. Flush body with plenty of water for at least 20 minutes. Keep victim warm and quiet. Keep victim under observation.
<u>First Aid Eyes</u>	Flush eyes with water for 20 minutes. Hold eyelids open while washing.
<u>First Aid Ingested</u>	Do not induce vomiting. Seek medical assistance immediately.
<u>First Aid Inhalation</u>	Advise to Doctor: Treat symptomatically as required. Neurological disorders may be aggravated by exposure to this product. IMMEDIATELY remove to fresh air. If not breathing give artificial respiration. Do not use mouth-to-mouth, if victim has inhaled or ingested the substance; induce artificial respiration with the aid of a pocket mask with a one-way valve. If breathing of victim is difficult administer oxygen. Effects of exposure may be delayed.

5. Fire Fighting Measures

Some of these materials may react violently with water.

Small Fires: Dry chemical, CO₂, water spray or alcohol-resistant foam.

Large Fires: Water spray, fog or alcohol-resistant foam. Move containers from fire area if you can do it without risk.

Dike fire control water for later disposal; do not scatter the material. Do not get water inside containers.

Fire involving Tanks or Bulk Containers: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.

Cool containers with flooding quantities of water until well after fire is out.

Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

ALWAYS stay away from the ends of tanks. For massive fire, use unmanned hose holders or monitor nozzles;

if this is impossible, withdraw from area and let fire burn.

Isolate spill or leak area immediately for at least 50 to 100 metres (160 to 330 feet) in all directions.

Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Wear positive pressure self-contained breathing apparatus (SCBA).

Wear chemical protective clothing which is specifically recommended by the manufacturer.

It may provide little or no thermal protection.

Structural firefighters' protective clothing is recommended for fire situations ONLY; it is not effective in spill situations.

If ROAD OR RAIL TANKER is involved in a fire, ISOLATE for 800 metres (1/2 mile) in all directions;

also, consider initial evacuation for 800 metres (1/2 mile) in all directions.

6. Accidental Release Measures

Full protective clothing including breathing apparatus

PRECAUTIONS:

Restrict access to area.

Provide adequate protective equipment and ventilation.

Remove sources of heat and flame.

Notify occupational and environmental authorities.

SPILL OR LEAK:

Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

All equipment used when handling the product must be grounded.

Do not touch or walk through spilled material.

Stop leak if you can do it without risk.

Prevent entry into waterways, sewers, basements or confined areas.

A vapour suppressing foam may be used to reduce Vapours.

Absorb with earth, sand or other non-combustible material and transfer to containers (except for Hydrazine).

Use clean non-sparking tools to collect absorbed material.

Large Spills

Dike far ahead of liquid spill for later disposal.

Water spray may reduce vapour; but may not prevent ignition in closed spaces.

7. Handling And Storage

Separation of at least 3M from the following classes is recommended.

Flammable Liquids Flammable Solids

Spontaneously Combustibles Poison

Fire separation of at least 5M or 4Hr fire resistant wall from the following classes is recommended.

Flammable Gases Dangerous When Wet

Oxidizing Agents Organic Peroxides

Storage : Between 2 - 8 C (refrigerate - do not freeze)

8. Exposure Controls/Personal Protection

<u>Occupational Exposure Limits</u>	T W A OEL-RL SHORT TERM OEL-RL ----- PPMa) MG/M3b) PPMa) MG/M3b) ----- 10 30 15 45
<u>Controls</u>	The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside. Supply sufficient replacement air to make up for air removed. Have a safety shower/eye wash fountain readily available in the immediate work area
<u>Personal Protection</u>	If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including chemical safety goggles & face shield, boots, imperious gloves, coveralls, & respiratory protection. Have appropriate equipment available for use in emergencies.

9. Physical & Chemical Properties

Clear, Colourless to pale yellow liquid; oily, rancid odour.(propionic acid)
 Boiling Point: 141 oC
 Relative Density: vapour: 2,56 (air:1)
 liquid: 0,9934 at 20o/4oC (water:1)
 Autoignition Temperature: 512,7 oC
 Flash Point: 54,4 oC (closed cup)
 Flammable Limits: lower limit: 2,9 % by volume in air.
 upper range not available.

10. Stability And Reactivity

<u>Conditions to Avoid</u>	Risk of violent reaction.
<u>Incompatible Materials</u>	None.
<u>Other</u>	None.

11. Toxicological Information

May cause toxic effects if inhaled or ingested/swallowed.
 Contact with substance may cause severe burns to skin and eyes.
 Vapours may cause dizziness or suffocation.

Imidocarb(Dihydrochloride)

LD50 SC, rat , 150mg/kg
 LD50 SC, mouse, 107mg/kg
 LD50 IV, mouse, 800g/kg
 LD50 IM,mouse, 84mg/kg

Accute exposure could cause blurred vision, weakness, nausea, vomiting, abdominal cramps, diarrhoea, salivation, sweating, pin-point pupils.

Ingested: May cause moderate irtetation to the gastro-intestinal tract.

Eyes: May cause moderate eye irritation, with mild, temporary redness of the conjunctiva, temporary vision impairment and other transient signs of damage/ ulceration. May be absorbed via this route.

Skin: May cause mild skin irritation. open cuts, abraded, irritated skin should not be exposed to this product

12. Ecological Information

Very toxic to aquatic organisms - may cause long-term damage in the environment.

13. Disposal Considerations

Disposal Method Product There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal Method Packaging Disposal in accordance with local legal provisions.

14. Transport Information

<u>UN No</u>	1848	<u>Hazchem Code</u>	2p
<u>ERG No</u>	132	<u>EAC</u>	60
<u>IMDG-Shipping Name</u>	PROPIONIC ACID		
<u>IMDG Code</u>	8206	<u>IMDG-Packaging Group</u>	III
<u>Marine Pollutant</u>	Yes		
<u>Class</u>	Class: 8 Corrosive Group: III		
<u>Subsidiary Risks</u>			

15. Regulatory Information

EEC Hazard Classification 8

Risk Phases R20 Harmful by inhalation.
R23 Toxic by inhalation.
R24 Toxic in contact with skin.
R25 Toxic if swallowed.
R34 Causes burns.
R43 May cause sensitization by skin contact.
R45 May cause cancer.
R50 Very toxic to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic

Safety Phases S7 Keep container tightly closed.
S16 Keep away from sources of ignition - No smoking.
S23 Do not inhale gas/fumes/vapour/spray.
S24 Avoid contact with skin.
S36/37 Wear suitable protective clothing and gloves.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)
S53 Avoid exposure - obtain special instructions before use.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions / safety data sheets.

National Legislation

16. Other Information

Reason for Alteration: General update.

The information contained herein is based on the present state of our knowledge.
It characterizes the product with regard to the appropriate safety precautions.
It does not represent a guarantee of the properness of the product.

Disclaimer:

The company provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

THE COMPANY MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, THE COMPANY WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

LAST PAGE

All information is given in good faith but without guarantee in respect of accuracy & no responsibility is accepted for errors or omissions or the consequences thereof.