



## **SAFETY DATA SHEET**

Product No. 9704/2017 (111)  
Version 1.0 Revision Date 14.04.2023  
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### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

#### **1.1. Product identifier**

**Imazamox 70% WDG**

**Brand Name: CAVORT**

CAS No.: 114311-32-9

#### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses: crop protection product, herbicide

#### **1.3. Details of the Manufacturer of the safety data sheet**

##### **Manufacturer**

PARIJAT INDUSTRIES (INDIA) PVT. LTD.

M-77, I & II Floor, M-Block Market,

Greater Kailash-II, New Delhi-110048, India

**Phone** : +91 11 45766000

**Fax** : +91 11 45766055

#### **1.4. EMERGENCY TELEPHONE NUMBER:**

Toll Free Farmer's helpline No. 1800123006141 (Parijat Customer Care, India)

### **SECTION 2: Hazards Identification**

#### **2.1. Classification of the substance or mixture**

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### **2.2. Label elements**

Pictogram:



Signal Word:

**Warning**

Hazard Statement:

H302 Harmful if swallowed.

H315 Causes Skin irritation

H319 Causes serious eye irritation

H332 Harmful if inhaled.

H335 May cause respiratory irritation

H410 Very toxic to aquatic life with long lasting effects [Warning Hazardous to the aquatic environment, long-term hazard]

Precautionary statement(s)

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P264 Wash ... thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P312 IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell.  
 P302+P352 IF ON SKIN: wash with plenty of water.  
 P304+P312 IF INHALED: Call a POISON CENTER/doctor/... if you feel unwell.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
 +P338  
 P312 Call a POISON CENTER or doctor/... if you feel unwell.  
 P321 Specific treatment (see ... on this label).  
 P330 Rinse mouth.  
 P332+P313 IF SKIN irritation occurs: Get medical advice/attention.  
 P337+P313 IF eye irritation persists: Get medical advice/attention.  
 P362 Take off contaminated clothing.  
 P391 Collect spillage.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents/container to ...

Supplemental Hazard Statements none

**2.3 Other hazards - none**

**SECTION 3: Composition/Information on Ingredients**

**3.1. Substances**

S.No	Name	Product Identifier	%	Category
1	Imazamox	CAS-No.: 155569-91-8	71.43	H319 Causes serious eye irritation. H410 Very toxic to aquatic life with long lasting effects.
2	Geropon T/36	CAS-No.: 371-47-1	8.00	H316 Causes mild skin irritation.
3	Supragil WP	CAS-No.: 1322-93-6	3.00	Acute toxicity, Category 4 H302: Harmful if swallowed. Acute toxicity, Category 4 H332: Harmful if inhaled. Eye irritation, Category 2A H319: Causes serious eye irritation. Specific target organ toxicity - single exposure, Category 3, Respiratory system H335: May cause respiratory irritation.
4	Lactose	CAS-No. 10039-26-6	8.00	Not a hazardous substance
5	Kaolin Clay	CAS-No.: 66402-68-4	Q.S. to make 100%	Not a hazardous substance
6	Ammonium Sulphate	CAS-No.: 7783-2-0	5.00	Skin Irritation Category 2: H315 Causes Skin irritation Eye irritation category 2A: H332: Harmful if inhaled. Acute toxicity (oral,dermal,inhalation) category 3 : H319: Causes serious eye irritation.

## Section 4: First Aid Measures

### 4.1 Description of first aid measures

#### Description of first aid measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

##### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

##### If on skin:

Immediately wash thoroughly with soap and water, seek medical attention.

##### If in eyes:

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing.

##### If swallowed:

Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

#### Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far.

#### Indication of any immediate medical attention and special treatment needed

**Note to Physician:** No specific antidote. Treat supportively and symptomatically.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## Section 5: Fire Fighting Measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

CO<sub>2</sub>, Foam, dry chemical, water spray.

### 5.2 Special hazards arising from the substance or mixture

Hazards during fire-fighting: carbon monoxide, carbon dioxide, nitrogen oxides, silica compounds, sulfur oxides The substances/groups of substances mentioned can be released in case of fire.

### 5.3 Advice for firefighters

Protective equipment for fire-fighting: Wear self-contained breathing apparatus and chemical-protective clothing.

### 5.4 Further information

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways. Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

## Section 6: Accidental Release Measures

**6.1 Further accidental release measures:** Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient

concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

## **6.2 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

## **6.3 Environmental precautions**

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

## **6.4 Methods and material for containment and cleaning up**

Avoid raising dust. Sweep/shovel up. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal. Nonsparking tools should be used.

## **Section 7: Handling And Storage**

### **7.1 Precautions for safe handling**

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

Avoid dust formation. Prevent electrostatic charge - sources of ignition should be kept well clear – fire extinguishers should be kept handy. Electrical equipment should conform to national electric code.

Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

### **7.2 Conditions for safe storage, including any incompatibilities**

Segregate from foods and animal feeds.

Further information on storage conditions: Keep only in the original container in a cool, dry, well ventilated place away from ignition sources, heat or flame. Protect containers from physical damage.

Protect against contamination.

Protect from temperatures below: 5 °C

Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## **Section 8: Exposure Controls / Personal Protection**

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

### **8.1 Control parameters**

Components with workplace control parameter

## 8.2 Personal Protection

### Respiratory protection

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapours. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

### Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

### Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical -protection suit.

### General safety and hygiene measures:

Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

## Section 9: Physical and Chemical Properties

<b>Physical state</b>	Solid
<b>Colour</b>	Off-white
<b>Odour</b>	Odourless
<b>pH value</b>	approx. 2 - 4 ( 2%(m), 20 °C) (as a dispersion)
<b>Melting point:</b>	100 °C
<b>Boiling point:</b>	Not tested
<b>Flash point</b>	not applicable, the product is a solid
<b>Flammability:</b>	not flammable
<b>Lower explosion limit</b>	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
<b>Upper explosion limit</b>	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
<b>Vapour pressure</b>	not applicable
<b>Bulk density</b>	567 kg/m <sup>3</sup> ( 20 °c) Apparent density after tamping
<b>Vapour density</b>	not applicable
<b>Self-ignition</b>	not self-igniting

**temperature:**

**Thermal decomposition:** No decomposition if stored and handled as prescribed/indicated

**Solubility in water:** Dispersible

**Evaporation rate:** not applicable

## **Section 10: Stability And Reactivity**

### **10.1 Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

### **10.2 Chemical stability**

The product is chemically stable.

Hazardous polymerization will not occur. No hazardous reactions if stored and handled as prescribed/indicated.

### **10.3 Possibility of hazardous reactions**

No data available

### **10.4 Conditions to avoid**

Avoid all sources of ignition: heat, sparks, open flame. Avoid prolonged storage. Avoid electro-static discharge. Avoid contamination. Avoid prolonged exposure to extreme heat. Avoid extreme temperatures. This product may form an explosive mixture if: 1. the dust is suspended in the atmosphere as a dust cloud AND 2. the concentration of the dust is above the lower explosion limit (LEL) AND 3. the limiting oxygen concentration (LOC) is exceeded.

### **10.5 Incompatible materials**

strong acids, strong bases, strong oxidizing agents.

### **10.6 Hazardous decomposition products**

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

In the event of fire: see section 5

## **Section 11: Toxicological Information**

### **Primary routes of exposure**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact.

Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### **11.1 Information on toxicological effects**

**Acute Oral Toxicity** LD<sub>50</sub> >5000 mg/kg (Rat)

**Acute Dermal Toxicity** LD<sub>50</sub> > 2000-5000 mg/kg (Rat)

**Acute Inhalation** LC<sub>50</sub> > 0.71 mg/l (Rat)

**Eye irritation** Non-irritant

**Skin irritation** Non-irritant

**Skin Sensitisation** Non- Sensitized

## Section 12: Ecological Information

### 12.1 Toxicity

**Toxicity to Birds** Acute oral LD<sub>50</sub> for bobwhite quail > 1846 mg/kg b.wt., Mallard ducks >1950 mg/kg; Dietary LC<sub>50</sub> for bobwhite quail and mallard ducks >5572 mg/kg diet.

**Toxicity to Fish** LC<sub>50</sub> (96 h) for rainbow trout >122 mg/l.

**Toxicity to Daphnia** LC<sub>50</sub> (48 h) >122 mg/l

### 12.2 Aquatic Chronic Toxicity

No data available

### 12.3 Persistence and degradability

No data available

### 12.4 Bioaccumulative potential

No data available

### 12.5 Mobility in soil

No data available

### 12.5 Other adverse effects

No data available

## Section 13: Disposal Considerations

### 13.1 Waste treatment methods

#### Waste disposal of substance:

See product label for disposal and recycling instructions.

#### Container disposal:

Rinse the container or liner as needed for disposal. Add rinsate to spray tank. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Consult the product label for additional details.

## Section 14: Transport Information

### 14.1 UN number

ADR/RID: 3077                      IMDG: 3077                      IATA: 3077

### 14.2 UN proper shipping name

ADR/RID: Environmentally hazardous substance, Solid, N. O. S. (Contains Imazamox)

IMDG: Environmentally hazardous substance, Solid, N. O. S. (Contains Imazamox)

IATA: Environmentally hazardous substance, Solid, N. O. S. (Contains Imazamox)

### 14.3 Transport hazard class(es)

ADR/RID: 9                              IMDG: 9                              IATA: 9

### 14.4 Packaging group

ADR/RID: III                              IMDG: III                              IATA: III

### 14.5 Environmental hazards

ADR/RID: Yes                      IMDG Marine pollutant: Yes                      IATA: Yes

### 14.6 Special precautions for user

No data available

## Section 15: Regulatory Information

## 15.1 Chemical safety assessment

For this product a chemical safety assessment was not carried out

### Section 16: Other Information

#### Full text of H-Statements referred to under sections 2 and 3.

Hazard Statement:

H302	Harmful if swallowed.
H315	Causes Skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled.
H335	May cause respiratory irritation
H410	Very toxic to aquatic life with long lasting effects [Warning Hazardous to the aquatic environment, long-term hazard]

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell.
P302+P352	IF ON SKIN: wash with plenty of water.
P304+P312	IF INHALED: Call a POISON CENTER/doctor/... if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P312	Call a POISON CENTER or doctor/... if you feel unwell.
P321	Specific treatment (see ... on this label).
P330	Rinse mouth.
P332+P313	IF SKIN irritation occurs: Get medical advice/attention.
P337+P313	IF eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to ...

#### Further information

*The information provided in this safety data sheet is believed to be accurate and reliable. The information is offered only as a guide to the handling of this specific material, but uses of this product may vary and situation unforeseen by Parijat may exist. No warranty of any kind is given/ implied and Parijat will not be reliable for any damages, loses, injuries or consequential damages, which may result from the use of or reliance on any information contained herein.*

*Read the entire MSDS for complete hazard evaluation of this product.*

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