

## Epospi 25% SC

### Safety Data Sheet

Version: 1.1

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Trade name : Paclobutrazol 25% SC

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

###### 1.2.1. Relevant identified uses

Use of the substance/mixture : Plant growth regulator

###### 1.2.2. Uses advised against

No additional information available

##### 1.3. Details of the supplier of the safety data sheet

East African Business Company Limited  
P. O. Box: 29024 - 00100 Nairobi - Kenya  
Email: info@eabusinesscompany.com  
Contact: +254 (0) 20 240 3391

##### 1.4. Emergency telephone number

#### SECTION 2: Hazards identification

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

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Repr. 2 H361

Aquatic Chronic 2 H411

Full text of H-phrases: see section 16

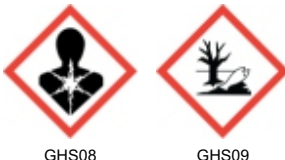
Adverse physicochemical, human health and environmental effects

No additional information available

##### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS08

GHS09

Signal word (CLP) :

Warning

Hazardous ingredients :

Paclobutrazol

Hazard statements (CLP) :

H361 - Suspected of damaging fertility or the unborn child  
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P273 - Avoid release to the environment  
P281 - Use personal protective equipment as required  
P308+P313 - IF exposed or concerned: Get medical advice/attention  
P391 - Collect spillage  
P405 - Store locked up  
P501 - Dispose of contents/container to local regulation

##### 2.3. Other hazards

No additional information available

#### SECTION 3: Composition/information on ingredients

##### 3.1. Substances

Not applicable

##### 3.2. Mixture

Name	Product identifier		Classification according to Directive 67/548/EEC
Paclobutrazol	(CAS No.) 76738-62-0 (EC no) 266-325-7	25%	R20/22, R36, R63, R50/53-EU DAR

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Name	Product identifier		Classification according to Regulation (EC) No. 1272/2008 [CLP]
Paclobutrazol	(CAS No.) 76738-62-0 (EC no) 266-325-7	25%	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 Repr. 2, H361d Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of R-, H- and EUH-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Call a physician or poison control center immediately.
First-aid measures after inhalation	: When symptoms occur: go into open air and ventilate suspected area.
First-aid measures after skin contact	: Rinse immediately with plenty of water. In case of an skin reaction, consult a physician.
First-aid measures after eye contact	: Rinse eyes with plenty of water. In case of an eye reaction, consult a physician.
First-aid measures after ingestion	: Remove to fresh air.

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

No additional information available

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media	: High volume water jet.

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

Fire hazard	: Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NO <sub>x</sub> ).
Explosion hazard	: Product is not explosive.
Reactivity	: The product is stable at normal handling- and storage conditions.

#### 5.3. Advice for firefighters

Precautionary measures fire	: Wear self-contained breathing apparatus and protective suit (see item 8).
Firefighting instructions	: Prevent runoff from entering drains, sewers or waterways.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE).
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear personal protective equipment.
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##### 6.1.2. For emergency responders

Protective equipment	: Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE).
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#### 6.2. Environmental precautions

Do not allow material to contaminate ground water system.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Sweep or shovel spills into appropriate container for disposal.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed	: Wear proper protective equipment.
Precautions for safe handling	: Do not eat, drink or smoke when using this product.

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

Storage conditions	: Store tightly closed in a dry, cool and well-ventilated place.
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Incompatible materials : oxidants, strong acids and strong bases.

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

Professional use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

No additional information available

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: White to off-white
Odour	: Characteristic odour
Odour threshold	: No data available
pH	: 6.0 – 9.0
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 164 ± 0.5°C (TG)
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No flash point till 100°C (sample boiled)
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 1.9 × 10 <sup>-3</sup> mPa (20°C) (TG)
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.05 ± 0.02 g/ml at 20°C
Solubility	: No data available
Log Pow	: 3.2 (TG)
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 98.1 cP at 25.0°C with spindle 02 at 100 RPM
Explosive properties	: Non-explosive
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is stable at normal handling- and storage conditions.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Not applicable.

#### 10.4. Conditions to avoid

All heat sources.

#### 10.5. Incompatible materials

Strong acids, strong bases and oxidation agents.

#### 10.6. Hazardous decomposition products

No additional information available

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Paclobutrazol 25% SC	
LD <sub>50</sub> oral rat	> 2000 mg/kg
LD <sub>50</sub> dermal rat	> 5000 mg/kg
LC <sub>50</sub> inhalation rat (mg/l)	> 1.11 mg/l/4h

Skin corrosion/irritation : Not irritant to skin  
 Serious eye damage/irritation : Not irritant to eyes  
 Respiratory or skin sensitisation : Not classified  
 Germ cell mutagenicity : Not classified  
 Carcinogenicity : Not classified  
 Reproductive toxicity : Suspected of damaging fertility or the unborn child.  
 Specific target organ toxicity (single exposure) : Not classified  
 Specific target organ toxicity (repeated exposure) : Not classified  
 Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Paclobutrazol 25% SC	
LC <sub>50</sub> fishes 1 (96 h)	229.7 mg/l ( <i>Brachydanio rerio</i> )
EC <sub>50</sub> Daphnia 1 (48 h)	> 200 mg/l ( <i>Daphnia similis</i> )
EC <sub>50</sub> (algae) (72 h)	105.6 mg/l ( <i>Pseudokirchneriella subcapitata</i> )

#### 12.2. Persistence and degradability

Paclobutrazol (76738-62-0)	
Persistence and degradability	Not readily biodegradable.

#### 12.3. Bioaccumulative potential

Paclobutrazol (76738-62-0)	
BCF fish 1	44
Log P <sub>ow</sub>	3.2

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

No additional information available

### SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

#### 14.1. UN number

UN-No. : 3082

#### 14.2. UN proper shipping name

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.( Paclobutrazol)  
 Transport document description : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.( Paclobutrazol), 9, III, (E)

#### 14.3. Transport hazard class(es)

Class (UN) : 9

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Hazard labels (UN) : 9



#### 14.4. Packing group

Packing group (UN) : III

#### 14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

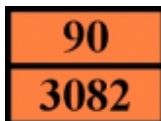
#### 14.6. Special precautions for user

##### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 90

Classification code (UN) : M6

Orange plates :



Special provision (ADR) : 274, 335, 601

Transport category (ADR) : 3

Tunnel restriction code : E

Limited quantities (ADR) : 5L

Excepted quantities (ADR) : E1

EAC code : •3Z

##### 14.6.2. Transport by sea

No additional information available

##### 14.6.3. Air transport

No additional information available

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Full text of R-, H- and EUH-phrases::

Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Repr. 2	Reproductive toxicity Category 2
Repr. 2	Reproductive toxicity Category 2
H302	Harmful if swallowed

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according to Regulation (EC) No. 453/2010

H319	Causes serious eye irritation
H332	Harmful if inhaled
H361	Suspected of damaging fertility or the unborn child
H361d	Suspected of damaging the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

SDS EU (REACH Annex II)

*Disclaimer: The information provided by East African Business Co., Ltd contained herein is given in good faith and correct to the best of our knowledge. However, the information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.*