

## Technical Data Sheet | Crop Protection Business



Synonyms Profenofos 50% EC;

O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propylphosphorothioate;

O-(4-Bromo-2-chlorophenyl)phosphorothioic acid O-ethyl S-propyl ester

Chemical structure and identity

$$\begin{array}{c|c} \mathsf{Br} & \mathsf{O} & \mathsf{S} \\ \mathsf{O} & \mathsf{CH}_3 \\ \mathsf{Cl} & \mathsf{CH}_3 \\ \end{array}$$

Molecular formula C<sub>11</sub>H<sub>15</sub>BrClO<sub>3</sub>PS

 Molecular weight
 373.60

 CAS number
 41198-08-7

 PRD number
 AG459040

 EINECS number
 255-255-2

Specifications Appearance Light-brown coloured liquid

Profenofos content
Acidity as H<sub>2</sub>SO<sub>4</sub>
Cold test
Emulsion test

50% minimum
1% maximum
Comply
Comply
Comply

**Physical properties** Flash point More than 24.5°C

Solubility in water Forms emulsion

pH (1% solution) 6 to 7

Density 1.16 to 1.17 g/ml

**Description** ORAX is a light-brown coloured liquid free from extraneous matter.

**Applications** ORAX is a broad spectrum insecticide and acaricide of the organophosphorus group used

to control a range of chewing and sucking insects in various crops.

Packaging ORAX is available in 100 ml to 5 L tin containers. Other packaging may be considered on

request.

Storage and handling Keep containers tightly closed and store in a cool, dry and well-ventilated area. Protect

the containers against physical damage. Avoid contact with eyes, skin or clothing. Keep out of reach of children. Always refer to the Safety Data Sheet (SDS) for detailed

information on storage and handling.

Safety Wear protective gloves, a dust mask and goggles. Keep material away from foodstuffs,

beverages and feed. Wash hands thoroughly after handling this product. Do not inhale its

vapour or mist. Always refer to the SDS for detailed information on safety.

July 2017 Page 1 of 2



## Technical Data Sheet | Crop Protection Business



First aid

**Eye contact:** Rinse eyes in open position for several minutes with plenty of water. Consult a physician immediately.

**Skin contact:** Wash the affected area thoroughly with soap and water. Immediately remove clothing contaminated by the product. Consult a physician.

**Ingestion:** Avoid ingestion. Never give anything by mouth to an unconscious person. Rinse mouth with water and consult a physician immediately.

**Inhalation:** Avoid inhalation. Shift the affected person to fresh air. In case of irregular breathing or respiratory arrest, provide artificial respiration. Consult a physician immediately on suspicion of intoxication.

Spills and disposal

In case of spillage and | or leakage, absorb the spilled material carefully with suitable liquid-binding material (such as sand, diatomite, acid binders, universal binders or sawdust). Prevent generation of vapour or mist. Do not allow the spilled material to enter sewers, surface or groundwater. Dispose of the contents | container(s) in accordance with local, regional, national or international regulations | guidelines as applicable.

Contact

E-mail: crop\_care@atul.co.in Website: www.atul.co.in

Note

ORAX® is a registered trade mark for Profenofos 50% EC which belongs to Atul Ltd.

Disclaimer: The information contained herein is for information purposes only. While enough care is taken in disclosing the information, users of this information are advised to cross-check the same depending upon use | application. Atul Ltd does not give any assurance or warranty or guarantee in regard to the accuracy or completeness of the information and no claim or liability will be accepted or entertained in regard thereto. Atul Ltd makes no warranty of any kind, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or performance or usage of trade.

July 2017 Page 2 of 2