

Atdf® PF-95

1 Product identification

<u>Product name</u>	Atdf® PF-95
<u>Manufacture</u>	Room 1138, 2th Building , LvdiHuichuang international square, NO.6, Kexing Road, Baiyun District, Guangzhou, GuangDong, China. Tel: 020-36261692 36261697 Fax: 020-36261697 Website: www.silat-group.com

2 Composition and ingredient information

<u>Usage</u>	Preservatives/ Bactericide
<u>General chemical description</u>	Hexamidine diisethionate (EU number: 211-533-5; CAS: 659-40-5)

3 Possible hazard

Special hazards to man and environment

<u>Signal word</u>	Warning
<u>Hazard statement</u>	Harmful if swallowed. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.
<u>Precautionary statement</u>	Do not get in eyes, on skin, or on clothing. Wear eye protection/face protection. IF SWALLOWED: Call a poison center or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Avoid release to the environment

4 First aid measures

<u>After inhalation</u>	Move to fresh air.
<u>After skin contact</u>	Rinse with water. Take off all clothing contaminated by the product.
<u>After eye contact</u>	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary
<u>After ingestion</u>	Seek medical advice immediately and show this container or label.

5 Fire fighting measures

<u>Extinguishing media</u>	Water, carbon dioxide, foam, dry powder.
<u>Special protection equipment for firefighters</u>	Wear full protective clothing and self-contained breathing apparatus
<u>Combustion products or gases to be formed</u>	Nitrogen oxides, Sulphur oxides

6 Accidental release measures

<u>Personal precautions</u>	Dust mask
	Avoid contact with skin and eyes.
<u>Environmental precautions</u>	Do not empty into drains / surface water / ground water.
<u>Methods for cleaning</u>	Remove mechanically. Rinse away residue with plenty of water

7 Handling and Storage

<u>Handling precautions</u>	Avoid eye contact inhalation
<u>Storage precautions</u>	Take measures to prevent the build-up of electrostatic charges
<u>Other information</u>	Keep the product in a clean, cool, ventilation/suction and dark place

8 Exposure controls and personal protection

<u>8.1 Additional information for system design</u>	If dust formation caused by handling cannot be avoided Staubex equipment for plants may be necessary. Ensure good ventilation/suction at the workplace.
<u>8.2 General dust limit value</u>	6 mg/m ³ .
<u>8.3 Personal protective equipment</u>	
Respiratory protection	Dust mask
Hand protection	Gloves
Eye protection	Safety glasses
Skin protection	Protective suit
Other	—

9 Physical and chemical properties

<u>9.1 Appearance</u>	
Physical state	Powder
Color	White
Odor	Little intrinsic odor
<u>9.2 Safety related information</u>	
pH Value	4.0-8.0
Melting point	215 °C
Solubility (qualitative, 20 °C; Solvent: Water)	Partially soluble
Solubility (qualitative,100 °C; Solvent: Water)	largely soluble
Water solubility	Soluble
Fat solubility	Not applicable

10 Stability and reactivity

<u>Conditions to avoid</u>	Avoid radical forming substances (metal-ions, peroxides).
<u>Materials to avoid</u>	Reaction with oxidants.
<u>Hazardous decomposition products</u>	Not Known; No decomposition if used according to specifications

11 Toxicological information

<u>Acute oral toxicity</u>	LD50 > 300 - <= 2000 mg/kg body weight GHS: Category 4
<u>Skin irritation</u>	Not irritating GHS: No category
<u>Eye irritation</u>	irritating GHS: Category 2A

12 Environmental information

<u>Acute invertebrate toxicity</u>	EC50 > 1 - <= 10 mg product/l. GHS: Category 2
<u>Ultimate biodegradation</u>	

The total of the organic components contained in the product achieve values below 60% BOD/COD or CO2 liberation, or below 70% DOC reduction in tests for ease of degradability. Threshold values for 'readily degradable' (e.g. to OECD method 301) are not reached.

GHS: Category

13 Disposal considerations

<u>Product disposal</u>	Waste incineration with the approval of the responsible local authority
<u>Packaging disposal</u>	Must be dumped or incinerated in accordance with local regulations.

14 Transport information

Not classified as hazardous under transport regulations.

15 Regulatory information

<u>Supply classification and labeling</u>	The labeling of the product is indicated in Section 2
<u>National legislation</u>	For further information we recommend to consider the corresponding appropriate national legislation

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