

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Vitec 5300

Revision **2**
 Revision date **2024-03-18**

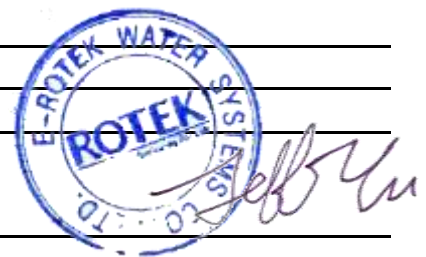
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier	
Product name	Vitec 5300
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU0] Other; [PC37] Water treatment chemicals;
Description	Antiscalant/Dispersant. FOR INDUSTRIAL USE.
1.3. Details of the supplier of the safety data sheet	
Company	Avista Technologies (UK) Ltd
Address	13 Nasmyth Square Houstoun Industrial Estate Livingston EH54 5GG United Kingdom
Telephone	+44 (0)131 449 6677
Fax	+44 (0)131 449 5599
Email	productsupport@avistatech.co.uk
Email address of the competent person	sds@avistatech.co.uk

1.4. Emergency telephone number	
Emergency telephone number	+44 (0)131 449 6677 (GMT, English spoken, Mon - Fri; 08.00 - 17.00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture	
Main hazards	No Significant Hazard
2.2. Label elements	
Precautionary Statement: Response	P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P281 - Use personal protective equipment as required.
2.3. Other hazards	
Other hazards	No known adverse health effects. The product is classified in accordance with 67/548/EEC.



SECTION 3: Composition/information on ingredients

3.1. Substances						
67/548/EEC / 1999/45/EC						
Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Acetodiphosponic Acid (ADPA)		2809-21-4	220-552-8	01-2119510391-53	10%	Xn; R22 Xi; R41
Water (H2O)		7732-18-5	231-791-2		90%	

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3.1. Substances

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Acetodiphosponic Acid (ADPA)		2809-21-4	220-552-8	01-2119510391-53	10%	Met. Corr. 1: H290
Water (H2O)		7732-18-5	231-791-2		90%	

3.2. Mixtures

See section 3.1 for further information.

Further information

This product is a preparation.



SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move person to fresh air; if effects occur, consult a physician.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING. Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

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

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.
EXTINGUISHING MEDIA: Water spray. Foam. Dry chemical. Carbon dioxide (CO2).

5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.
Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective clothing, gloves and eye/face protection.

6.2. Environmental precautions

Do not allow runoff water to enter sewers or drains. Do not empty into drains; dispose of this material and its container in a safe way. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

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6.4. Reference to other sections

	See section 8 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Use in a well ventilated area.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep container tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers. Keep away from food, drink and animal feedingstuffs.
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7.3. Specific end use(s)

	Water treatment chemicals.
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Suitable packaging


	Plastic containers.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	No data is available on this product.
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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	Approved safety goggles. (Standard EN 166).
Skin protection - Handprotection	Chemical resistant gloves (PVC). (Standard EN374-1).
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Suitable half mask respirator with filter P2 (EN 143).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties



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9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Pale yellow
Odour	Slight
pH	5.5 - 6.5 (2% w/w in DI water)
Melting point	No data available
Boiling point	No data available
Flash point	Not applicable.
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapour Flammability	Not applicable.
Autoignition temperature	Not applicable.
Explosive	Not applicable.
Oxidising	Not applicable.
Partition coefficient	Not applicable.
Viscosity	No data available
Solubility	Miscible in water

9.2. Other information

Conductivity	No data available
Surface tension	Not applicable.
Specific gravity	1 - 1.1 @ 25C

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Keep away from direct sunlight. Keep in a cool, dry, well ventilated area.

10.5. Incompatible materials

None.

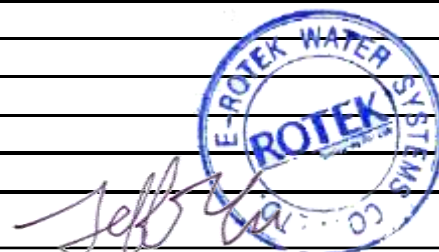
10.6. Hazardous decomposition products

No data is available on this product.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No known adverse health effects.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	No sensitization effects reported.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	None.
STOT-repeated exposure	None.
Aspiration hazard	None.



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11.1. Information on toxicological effects

Repeated or prolonged exposure	Avoid prolonged or repeated exposure.
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11.1.4. Toxicological Information

Acetodiphosponic Acid (ADPA)	Oral Rat LD50: >2000 mg/kg	Dermal Rabbit LD50: >2000 mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

Acetodiphosponic Acid (ADPA)	Daphnia LC50/96h: 878 mg/l	Rainbow trout LC50/96h: 300 mg/l
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12.2. Persistence and degradability

	Not readily biodegradable.
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12.3. Bioaccumulative potential

	Does not bioaccumulate.
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	None.
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12.6. Other adverse effects

	None.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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Disposal methods

	Dispose of in compliance with all local and national regulations.
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Disposal of packaging

	Empty containers can be sent for disposal or recycling. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.
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SECTION 14: Transport information

ADR/RID

	The product is not classified as dangerous for carriage.
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IMDG

	The product is not classified as dangerous for carriage.
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IATA

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

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

Regulations

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC

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

and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2. Chemical safety assessment

Not applicable.

Further information

FOR INDUSTRIAL USE.

Water Hazard Class.: WGK 1.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:

2 - Precautionary Statement: Response.

3 - Further information.

Text of risk phrases in Section 3

R22 - Harmful if swallowed.

Text of Hazard Statements in

R41 - Risk of serious damage to eyes.

Section 3

Met. Corr. 1: H290 - May be corrosive to metals. Acute

Tox. 4: H302 - Harmful if swallowed.

Eye Dam. 1: H318 - Causes serious eye damage.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

REMARK : IT IS NONE CORROSIVE MATERIAL

