

Product Name	: DUALQUAT	Issue Date	: August 2016
Reference No	: Version 16.01	Replaces	: None

Classified as Hazardous

1. IDENTIFICATION

GHS Product Identifier	DUALQUAT
Product Code	Q545
Supplier Name	Integra Water Treatment Solutions
Address	Unit B/195 Port Hacking Road, Miranda NSW 2228
Telephone	(02) 9574 0000
Fax	(02) 9574 0011
Emergency Contact	1300 880 735
Recommended Use	QAC sanitiser for use in food preparation and manufacturing sites.

2. HAZARD IDENTIFICATION

GHS Classification of the substance or mixture	Classified as Dangerous Goods according to ADG Code 7 th edition. This material is HAZARDOUS according to the criteria of GHS and Safe Work Australia.
--	---

Classification:
Skin Corrosion/Irritation – Category 1B
Serious eye damage/Eye irritation – Category 1

Signal Word(s)	Danger
Hazard Statement(s)	H314 Causes severe skin burns and eye damage.
Pictogram(s)	Corrosion; Environment.



Precautionary Statement – Prevention	P264 Wash contaminated skin thoroughly after handling. P260 Do not breathe mist /vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement – Response	P310 Immediately call a POISON CENTER or doctor/physician. P362 Take off contaminated clothing and wash before reuse. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE or a doctor/physician P304+340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
Precautionary Statement – Storage	There are no Precautionary-Storage phrases assigned.
Precautionary Statement – Disposal	There are no Precautionary-Disposal phrases assigned.

Product Name	: DUALQUAT	Issue Date	: August 2016
Reference No	: Version 16.01	Replaces	: None

Classified as Hazardous

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Ingredients	Name	CAS	Proportion
	Benzyl alkyl dimethyl ammonium chloride	8001-54-5	0-10 %
	Didecyl dimethyl ammonium chloride	7173-51-5	1-15 %
	Ingredients determined not to be hazardous, including water		To 100 %

4. FIRST AID MEASURES

Inhalation	If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.
Skin	Remove all contaminated clothing immediately. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before reuse or discard. Seek immediate medical attention.
Eye Contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue with flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.
First Aid Facilities	Eyewash, safety shower and normal washroom facilities.
Advice to Doctor	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Carbon dioxide, dry chemical, foam, water fog or water mist
Unsuitable Extinguishing Media	Do not use water jet.
Hazard from Combustion Products	Under fire conditions this product may emit toxic and/or corrosive fumes, smoke and gases including carbon monoxide, carbon dioxide, oxides or nitrogen.
Specific Hazards	This product is non-combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn. Reaction with metals will produce extremely flammable hydrogen gas.
Precautions	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.



SAFETY DATA SHEET

Product Name	: DUALQUAT	Issue Date	: August 2016
Reference No	: Version 16.01	Replaces	: None

Classified as Hazardous

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breath mist/vapour. It is essential to wear Self-Contained Breathing Apparatus (SCBA) and full personal protective equipment (PPE) and clothing to prevent exposure.
Clean-up & Disposal	Avoid exposure to spillage by collecting the material using vacuum and transfer into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewer or water ways occurs, inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Safe Handling	Corrosive liquid. Attacks skin and eyes. Causes burns. Avoid breathing in vapours, mists or fumes. Wear suitable protective clothing, gloves and eye/face protection when mixing or using. Use in designated areas with adequate ventilation. Keep containers tightly closed. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hand after handling, and before eating, drinking, smoking or using the toilet facilities.
Safe Storage	Corrosive liquid. Store in a cool, dry, well ventilated area. Store away from oxidising agents and bases/acids. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Provide a catch-tank in a bounded area. Store in original packages as approved by manufacturer. Ensure that the storage conditions comply with applicable local and national regulations. For information on the design of the store room, reference should be made to Australian Standard AS 3780 The Storage and Handling of Corrosive Substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standards have been established for this product by Safe Work, Australian Exposure Standards.
Biological Limit Values	No biological limit allocated.
Engineering Controls	This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mist below the exposure standards, suitable respiratory protection must be worn.
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Product Name	: DUALQUAT	Issue Date	: August 2016
Reference No	: Version 16.01	Replaces	: None

Classified as Hazardous

Eye Protection	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material such as laminated film, neoprene, PVC or nitrile. Final choice of appropriate gloves may vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational Protective Gloves – Selection, Use and Maintenance.
Footwear	Wear safety footwear. Final choice will vary according to individual circumstances.
Body Protection	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommend. Chemical resistant apron is recommended where large quantities are handled.
Hygiene Measures	Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear pale yellow liquid
Boiling Point	100 °C (water)
Melting Point	<0 °C
Solubility in Water	Soluble
Specific Gravity	0.99
pH Value	8.5-9.0
Vapour Pressure	Not available
Vapour Density (Air=1)	>1
Evaporation Rate	Not applicable
Flash Point	Not applicable
Flammability	Not flammable
Ignition Temperature	Not available
Flammable Limits (Lower)	Not applicable
Flammable Limits (Upper)	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling
Conditions to Avoid	Extremes of temperature and direct sunlight
Incompatible Materials	Oxidising agents, strong acids and reactive metals. Corrosive to aluminium, zinc and tin
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or corrosive fumes, smoke and gases including carbon monoxide, carbon dioxide, oxides of nitrogen.
Possibility of Hazardous Reactions	Reaction with metals will produce extremely flammable hydrogen gas
Hazardous Polymerization	Will not occur.

Product Name	: DUALQUAT	Issue Date	: August 2016
Reference No	: Version 16.01	Replaces	: None

Classified as Hazardous

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data available for this material. Acute oral toxicity rat: LD ₅₀ , 398 mg/kg. Acute dermal toxicity rat: LD ₅₀ , 800 to 1420 mg/kg.
Inhalation	Inhalation of mist or vapour may cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea, vomiting.
Skin	May cause skin burns and irritation. Symptoms may include redness, itchiness and burning. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.
Eye	May cause serious eye damage. On eye contact this product may cause stinging, blurring, tearing, blurred vision and redness.
Chronic Health Effects	Not expected cause chronic health effects.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological data available for this material.
Persistence/Degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Do not discharge this material into waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Method	Dispose of waste according to applicable local and national regulations. Do not allow into drains of watercourses or dispose of where ground or surface waters may be affected. Wastes including empty containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.
---------------	---

14. TRANSPORT INFORMATION

Transport Information	Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th Edition).
UN Number	1760
UN Proper Shipping Name	CORROSIVE LIQUID, N.O.S. (Contains alkyl dimethylbenzyl ammonium chloride)
Class	8
Hazchem Group	2X
Packaging Group	III
EMS Code	F-A, S-B

15. REGULATORY INFORMATION

Packaging and Labelling	As required by the ADG Code 7 and Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
--------------------------------	---



SAFETY DATA SHEET

Product Name	: DUALQUAT	Issue Date	: August 2016
Reference No	: Version 16.01	Replaces	: None

Classified as Hazardous

Regulatory Information	Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.
AICS (Australia)	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS), or otherwise are in compliance with the NICNAS requirements.
Poisons Schedule (SUSMP)	Schedule 6

16. OTHER INFORMATION

Date Prepared	
Abbreviations	SWA- Safe Work Australia ADG – Australian code for the Transport of Dangerous Goods by Road and Rail 7 th edition GHS – Globally Harmonised System of Classification and labelling of Chemicals. TWA – Time Weighted Average STEL – Short Term Exposure Limit LD ₅₀ (Lethal Dose) – Amount of ingested product that kills 50% of a test sample.
Others	This information summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider this information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

...END OF SDS...