

SAFETY DATA SHEET

Resolvit

QAC Foaming Sanitizer


Internationally
and
Independently
Tested



1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER	Quaternary Ammonium Compound, 2-Butoxyethanol
TRADE NAME	Resolvit
RECOMMENDED USE	QAC Foaming Sanitizer
RESTRICTIONS ON USE	None
SUPPLIER DETAILS	Sentratek Holdings Pty (Ltd) 24 Lansdowne Place Central Port Elizabeth South Africa
EMERGENCY PHONE NUMBER	+27 41 586 1400 (08:00 to 17:00 - Monday to Friday) +27 83 648 4117 (24 Hours)

2. HAZARDS IDENTIFICATION

CLASSIFICATION	Xi ; Irritant
LABEL ELEMENTS	
HAZARD STATEMENT	Irritating to eyes and skin
PRECAUTIONARY STATEMENT	Keep locked up and out of reach of children. Keep away from food, drink and animal feed. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately.
OTHER HAZARDS	None

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY	Mixture / Preparation of a Quaternary Ammonium Compound & 2-Butoxyethanol
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COMMON NAME / SYNONYMS	QAC / Glycol ether	
CAS NUMBER	Quaternary Ammonium Compound 2-Butoxyethanol	68424-85-1 111-76-2
EC NUMBER	Quaternary Ammonium Compound 2-Butoxyethanol	270-325-2 203-905-0
HAZARDOUS COMPONENTS		
CHEMICAL IDENTITY	CONCENTRATION RANGE	HAZARD
Quaternary Ammonium Compound	<10%	C; R34 / R37
2-Butoxyethanol	<5%	Xn; R20/21/22 – Xi; R36/38

4. FIRST AID MEASURES

PRODUCT IN EYE	Hold the eyelids apart and wash/flush the eyes gently with large amounts of water for at least 15 minutes. Apply ice pack. Seek medical attention.
PRODUCT ON SKIN	Immediately wash skin with copious amount of water while removing contaminated clothing. Seek medical attention.
PRODUCT INGESTED	Seek medical attention. Do not induce vomiting unless directed to do so by medical personnel as this can cause damage to mouth and throat.
PRODUCT INHALED	Seek medical attention. Remove the individual to a well-ventilated area and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	The product is not flammable, use extinguishing media suitable for surrounding fire. (E.g. CO ₂ / Water / Foam / Dry Powder).
SPECIAL HAZARDS	Combustion Products, Oxides of Nitrogen / Carbon Monoxide / Dioxide / Hydrogen Chloride.
PROTECTIVE CLOTHING	Full protective suit with breathing apparatus.
OTHER INFORMATION	None

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Spillage will be very slippery. Avoid prolonged skin contact. Wear protective clothing, gloves, goggles and respirator mask.	
ENVIRONMENTAL PRECAUTIONS	Prevent run-off into sewers or any ground or surface water-way.	
CLEAN-UP METHODS	Small Spills	Contain with absorbent from "spill kit" and collect for disposal. Wash residues with large amounts of water.



	Large spills	Contain spill. Transfer to containers for disposal. Remaining material may be diluted with water.
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7. HANDLING AND STORAGE

HANDLING/STORAGE PRECAUTIONS	Avoid contact with skin. Wear suitable protective clothing. Store in a cool, dry place.
SUITABLE MATERIALS	Store in plastic or metal drums.
UNSUITABLE MATERIALS	Avoid exposure to direct sunlight and keep away from oxidative material.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE STANDARDS	Not Tested	
ENGINEERING CONTROL MEASURES	Safety showers. Adequate ventilation.	
PERSONAL PROTECTION	RESPIRATORY	None
	HAND	PVC or PE gloves.
	EYE	Face shield or goggles.
	SKIN	Overalls / Plastic Apron / Gumboots.
OTHER PROTECTIVE MEASURES	None	

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	PHYSICAL STATE	Liquid.
	COLOUR	Clear colourless.
ODOUR		Bland.
ODOUR THRESHOLD		No data available.
PH		10.5 – 12.5
MELTING POINT / FREEZING POINT		No data available.
INITIAL BOILING POINT		>90°C
BOILING RANGE		No data available.
FLASH POINT		Not applicable.
EVAPORATION RATE		No data available.
FLAMMABILITY(SOLID, GAS)		Not applicable.
UPPER/LOWER FLAMMABILITY		No data available.
EXPLOSIVE LIMITS		Not applicable.

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VAPOUR PRESSURE	No data available.
VAPOUR DENSITY	No data available.
RELATIVE DENSITY	1.02 Kg/L.
SOLUBILITY - WATER	Soluble.
SOLUBILITY – SOLVENT	Insoluble.
PARTITION COEFFICIENT: N-OCTANOL/WATER	No data available.
AUTOIGNITION TEMPERATURE	No data available.
DECOMPOSITION TEMPERATURE	No data available.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	Stable under normal conditions.
HAZARDOUS REACTIONS	Decomposes when exposed to high temperatures.
CONDITIONS TO AVOID	Avoid excessive heat and contact with oxidative material.
INCOMPATIBLE MATERIALS	Acids, strong oxidisers, aluminium, soap, anionic detergents.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon dioxide / Ammonia.
POLYMERIZATION	None.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	LD50 (rat) = 2000 mg/kg
SKIN AND EYE CONTACT	Will cause burns.
CHRONIC TOXICITY	Not tested
CARCINOGENICITY	Not tested
MUTAGENICITY	Not tested
REPRODUCTIVE HAZARDS	None

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY – FISH	LC 50 = 5 - 50 mg/l, (95 hr.)
AQUATIC TOXICITY – DAPHNIA	EC 50, < 5 mg/l (48 hr.)
AQUATIC TOXICITY – ALGAE	No data available
BIODEGRADABILITY	Water danger class 3.
BIO-ACCUMULATION	Not expected to Bio-Accumulate

MOBILITY	No data available.
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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Must comply with local, provincial and national regulations. Waste characterization and compliance with disposal regulations is the responsibility of the waste generator.
DISPOSAL OF PACKAGING	Must comply with local, provincial and national regulations. Waste characterization and compliance with disposal regulations is the responsibility of the waste generator.

14. TRANSPORT INFORMATION

UN NUMBER	Not Hazardous for transport.
UN PROPER SHIPPING NAME	Not Applicable.
TRANSPORT HAZARD CLASS	None.
PACKING GROUP	None.
MARINE POLLUTANT	Not listed as a marine pollutant.
SPECIAL PRECAUTIONS	None.

15. REGULATORY INFORMATION

HAZARD CLASSIFICATION	Xi ; Irritant
RISK PHRASES	R36 / 38
SAFETY PHRASES	S2, S24/25, S26, S37/39, S62
RSA NATIONAL LEGISLATION	Occupational Health and Safety Act (No. 85 of 1993) Regulation R1449 of 6 September 1996. Government Notice No. 17403. Regulations for Hazardous Chemical Substances. SANS 10265 - The classification and labelling of dangerous substances and preparations.

16. OTHER INFORMATION

HAZARDOUS INFORMATION	
C	Corrosive
Xn	Harmful
Xi	Irritant

RISK PHRASES INFORMATION	
R34	Causes Burns.
R36 / R 38	Irritating to Eyes and Skin
R37	Irritating to Respiratory System
R20/21/22	Harmful by inhalation, in contact with skin, and if swallowed

SAFETY PHRASES INFORMATION	
S2	Keep out of reach of children.
S24/S25	Avoid contact with skin and eyes
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39	Wear suitable gloves and eye/face protection.
S62	If swallowed, do not induce vomiting. Seek medical advice immediately and show container or label.

SDS PREPARATION DATE	May 2009
COMPILED BY	Grant Whitaker
APPROVED BY	Don Mackay
DATE OF APPROVAL	16 January 2013
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DISCLAIMER:

The information contained herein is based on our best current technical knowledge of the product concerned and is given in good faith. The attention of end users is drawn to (amongst other things) the element of risk consequent to the use of the product for purposes other than that for which it was intended. In no way does the document remove the need for the user of this product to fully understand and apply statutory requirements. It is the user's sole responsibility to take due precautions relative to the use made of the product. All the information included herein is intended to assist the reader in fulfilling his or her statutory duty connected with the use of hazardous materials. This list of information must not be considered as exhaustive and does not exonerate the reader from taking other precautions described in documents other than those mentioned concerning the storage and use of the product for which he or she remains the sole person responsible.