

**SAFETY DATA SHEET  
ACCORDING TO 1907/2006/EC, ARTICLE 31**

**RESULT MACHINE DISHWASH RINSE AID**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1: PRODUCT IDENTIFIER**

<b>Product Name</b>	Proton Result Machine Dishwash Rinse Aid
<b>Other means of identification</b>	Machine Rinse Aid Auto Rinse Aid Machine Glass wash rinse aid

**1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST**

<b>Identified uses</b>	Rinse Aid for dish and glass washing machines
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**1.3 Details of the supplier of the safety data sheet**

<b>Supplier</b>	Proton Ltd
<b>Address</b>	Proton House West Quay Road Southampton SO15 1GZ
<b>Web</b>	<a href="http://www.proton-washrite.co.uk">www.proton-washrite.co.uk</a>
<b>Telephone</b>	023 8063 2766
<b>Fax</b>	023 8031 5999
<b>Email</b>	
<b>Email address of the competent person</b>	


**1.4 EMERGENCY TELEPHONE NUMBER**

<b>Emergency telephone number</b>	7:00am-5:00pm-Mon to Fri 023 8063 2766
<b>Further information</b>	
<b>Uses advised against</b>	

**SECTION 2: HAZARDS IDENTIFICATION****2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

<b>2.1.1 Classification – 1999/45/EC</b>	SKIN IRRIT. 2-H315 EYE IRRIT. 2 H319
<b>Main Hazards</b>	CAUSES SKIN IRRITATION, CAUSES SERIOUS EYE IRRITATION.

**2.2 LABEL ELEMENTS**

<b>Symbols</b>	
<b>Signal word</b>	WARNING
<b>Hazard statement</b>	H315 CAUSES SKIN IRRITATION H319-CAUSES SERIOUS EYE IRRITATION
<b>Precautionary Statement: Prevention</b>	P102-KEEP OUT OF REACH OF CHILDREN. P 15- RESTRICTED TO PROFESSIONAL USERS. P280-WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
<b>Precautionary Statement: Response</b>	P301+P330+P331+ P313- IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. GET MEDICAL ADVICE/ATTENTION. P302+352- IF ON SKIN: WASH WITH PLENTY OF WATER. P332+P313- IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION. P305+P351+P338- IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P337+P313- IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION. P501- DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL REGULATIONS.

**2.3 OTHER HAZARDS**

<b>Other hazards</b>	This product does not contain any substances classified as PBT or vPvB
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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Name	Range	EC No	CAS No	Reach No/Submission No	Classification according to 67/548/EEC
ETHOXYLATED PROPOXYLATED ALCOHOLS C12-5	5-10%		68551-13-3		H400
SODIUM CUMENE SULPHONATE	1-3%	250-200-661-7913-5	32073-22-6		H319
PROPAN-2-OL	.05-2%	203-905-0	67-63-0	01-2119457558-25	H225; H319; H336

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

<b>Inhalation</b>	IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE POSSIBLE). IN CASE OF ACCIDENT BY INHALATION: REMOVE CASUALTY TO FRESH AIR AND KEEP AT REST.
<b>Eye contact</b>	RINSE IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES.
<b>Skin Contact</b>	RINSE IMMEDIATELY WITH PLENTY OF WATER
<b>Ingestion</b>	DO NOT INDUCE VOMITING. DRINK 1 TO 2 GLASSES OF WATER. IF SWALLOWED, RINSE MOUTH WITH WATER (ONLY IF PERSON IS CONSCIOUS)

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

<b>Inhalation</b>	INHALATION MAY CAUSE NAUSEA AND VOMITING.
<b>Eye contact</b>	IRRITATING TO EYES
<b>Skin Contact</b>	IRRITATING TO SKIN
<b>Ingestion</b>	INGESTION MAY CAUSE NAUSEA AND VOMITING

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

<b>Inhalation</b>	IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW LABEL WHERE POSSIBLE) REMOVE THE EFFECTED PERSON FROM THE SOURCE OF CONTAMINATION IMMEDIATELY.
<b>Eye contact</b>	IRRITATING TO EYES. BATHE THE EYE WITH RUNNING WATER FOR 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO.
<b>Skin Contact</b>	IRRITATING TO SKIN. RINSE IMMEDIATELY WITH PLENTY OF WATER.
<b>Ingestion</b>	INGESTION MAY CAUSE NAUSEA AND VOMITING, RINSE MOUTH THOROUGHLY. DRINK 1 TO 2 GLASSES OF WATER

### GENERAL INFORMATION

	AVOID CONTACT WITH EYES AND SKIN. IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL SEEK MEDICAL ADVICE IMMEDIATELY (SHOW LABEL WHERE POSSIBLE)
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## SECTION 5: FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

	WATER SPRAY
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### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

	CARBON DIOXIDE (CO <sub>2</sub> ), IRRITATING GASES OR VAPOURS.
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### 5.3 ADVICE FOR FIREFIGHTERS

	SELF-CONTAINED BREATHING APPARATUS (SCBA) AND PROTECTIVE CLOTHING.
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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION. WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.
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### 6.2 ENVIRONMENTAL PRECAUTIONS

	ADVISE LOCAL AUTHORITIES IF LARGE SPILLS CANNOT BE CONTAINED.
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### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

	SMALL SPILLAGES UNDER 5 LITRES FLUSH AWAY WITH PLENTY OF WATER. LARGER SPILLAGE ABSORB WITH INERT, ABSORBENT MATERIAL. COLLECT AND PLACE IN SUITABLE WASTE DISPOSAL CONTAINERS AND SEAL SECURELY.
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#### 6.4 REFERENCE TO OTHER SECTIONS

	FOR PERSONAL PROTECTION, SEE SECTION 8, FOR WASTE DISPOSAL SEE SECTION 13.
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#### 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 AN SKIN. KEEP ONLY IN THE ORIGINAL CONTAINER. KEEP OUT OF REACH OF CHILDREN.
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#### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

	KEEP ONLY IN ORIGINAL CONTAINER IN A COOL WELL VENTILATED PLACE. STORE AWAY FROM THE FOLLOWING MATERIALS: OXIDISING MATERIALS.
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#### 7.3 SPECIFIC END USE(S)

	THE IDENTIFIED USES FOR THIS PRODUCT ARE DETAILED IN SECTION 1.2.
<b>SUITABLE PACKAGING</b>	KEEP ONLY IN ORIGINAL CONTAINERS.


### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 CONTROL PARAMETERS

	NO DATA IS AVAILABLE ON THIS PRODUCT
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##### 8.1.1 EXPOSURE LIMIT VALUES

<b>Propan-2-ol</b>	LONG-TERM EXPOSURE LIMIT (8-HOUR TWA): WEL 400PPM 999MG/M3 SHORT-TERM EXPOSURE LIMIT (15-MINUTE): WEL 500PPM 1250 MG/M3
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<b>8.2.1 Appropriate engineering controls</b>	NOT RELEVANT
<b>8.2.2 Individual protection measures</b>	AVOID CONTACT WITH EYES AND SKIN. WEAR SUITABLE GLOVES AND EYE FACE PROTECTION.
<b>Eye/face protection</b>	SAFETY GLASSES
<b>Skin protection</b>	RUBBER GLOVES
<b>Hand protection</b>	WEAR SUITABLE GLOVES
<b>Skin protection – other</b>	AVOID CONTACT WITH EYES AND SKIN. WEAR SUITABLE GLOVES AND EYE FACE PROTECTION.
<b>Respiratory protection</b>	NOT NORMALLY REQUIRED
<b>Thermal hazards</b>	NOT RELEVANT
<b>8.2.3 Environmental exposure controls</b>	NOT NORMALLY REQUIRED
<b>Occupational exposure controls</b>	NOT NORMALLY REQUIRED.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>State</b>	LIQUID
<b>Colour</b>	CLEAR BLUE
<b>Odour</b>	CHARACTERISTIC
<b>pH</b>	3.0
<b>Melting point</b>	NOT APPLICABLE
<b>Freezing point</b>	-4
<b>Boiling point</b>	103
<b>Flash point</b>	NOT APPLICABLE
<b>Evaporation rate</b>	NOT APPLICABLE
<b>Flammability limits</b>	NOT APPLICABLE
<b>Vapour flammability</b>	NOT APPLICABLE
<b>Vapour pressure</b>	NOT APPLICABLE
<b>Vapour density</b>	-1
<b>Relative density</b>	1.01
<b>Fat solubility</b>	NOT APPLICABLE
<b>Partition coefficient</b>	NOT APPLICABLE
<b>Autoignition temperature</b>	NOT RELEVANT
<b>Explosive</b>	NOT APPLICABLE
<b>Oxidising</b>	NOT APPLICABLE
<b>Solubility</b>	SOLUBLE IN WATER

### 9.2 OTHER INFORMATION

<b>Conductivity</b>	NOT APPLICABLE
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<b>Surface tension</b>	NOT APPLICABLE
<b>Gas group</b>	NOT APPLICABLE
<b>Benzene content</b>	NOT APPLICABLE
<b>Lead content</b>	NOT APPLICABLE
<b>VOC (volatile organic compounds)</b>	NOT APPLICABLE

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

	THERE ARE NO KNOWN REACTIVITY HAZARDS ASSOCIATED WITH THIS PRODUCT.
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### 10.2 CHEMICAL STABILITY

	STABLE UNDER NORMAL CONDITIONS
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### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

	SEE SECTIONS 10.1, 10.4, 10.5
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### 10.4 CONDITIONS TO AVOID

	THERE ARE NO KNOWN CONDITIONS THAT ARE LIKELY TO RESULT IN A HAZARDOUS SITUATION.
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### 10.5 INCOMPATIBLE MATERIALS

	NO SPECIFIC MATERIAL OR GROUP OF MATERIALS IS LIKELY TO REACT WITH THE PRODUCT TO PRODUCE A HAZARDOUS SITUATION.
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### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

	NO KNOWN HAZARDOUS DECOMPOSITION PRODUCTS.
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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

<b>Acute toxicity</b>	NO DATA AVAILABLE
<b>Skin corrosion/irritation</b>	MAY CAUSE SENSITISATION
<b>Serious eye damage/irritation</b>	MAY CAUSE SENSITISATION
<b>Respiratory or skin sensitisation</b>	MAY CAUSE SENSITISATION BY INHALATION AND SKIN CONTACT.
<b>Germ cell mutagenicity</b>	NO DATA IS AVAILABLE ON THIS PRODUCT.
<b>Carcinogenicity</b>	NO DATA IS AVAILABLE ON THIS PRODUCT.
<b>Reproductive toxicity</b>	NO DATA IS AVAILABLE ON THIS PRODUCT.
<b>STOT-single exposure</b>	NO DATA IS AVAILABLE ON THIS PRODUCT.
<b>STOT-repeated exposure</b>	NO DATA IS AVAILABLE ON THIS PRODUCT.
<b>11.1.4 Toxicological Information</b>	NO DATA AVAILABLE

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 TOXICITY

<b>Ethoxylated Propoxylated Alcohols C12-15</b>	LC50, 96HR, FISH MG/L 1.8 EC50, 48HR, DAPHNIA MG/L 0.22-0.75 IC50, 72HR ALGAE MG/L 1.4
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### 12.2 PERSISTENCE AND DEGRADABILITY

	MORE THAN 90% BIODEGRADABLE. THE SURFACTANT(S) CONTAINED IN THIS PRODUCT COMPLIES (COMPLY) WITH THE BIODEGRADABILITY CRITERIA AS LAID DOWN IN REGULATION (EC) No. 648/2004 ON DETERGENTS. DATA TO SUPPORT THIS ASSERTION ARE HELD AT THE DISPOSAL OF THE COMPETENT AUTHORITIES OF THE MEMBER STATES AND WILL BE MADE AVAILABLE TO THEM AT THEIR DIRECT REQUEST.
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### 12.3 BIOACCUMULATIVE POTENTIAL

	DOES NOT BIOACCUMULATE
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### 12.4 MOBILITY IN SOIL

	NOT KNOWN
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### 12.5 RESULTS OF PBT AND VPvB ASSESSMENT

	DNEL: DERIVED NO EFFECT LEVEL
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### 12.6 OTHER ADVERSE EFFECTS

	DNEL: DERIVED NO EFFECT LEVEL
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## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

	DISCHARGE USED SOLUTIONS TO DRAIN. SMALL AMOUNTS (LESS THAN 5 LITRES) OF UNWANTED PRODUCT MAY BE FLUSHED WITH WATER TO SEWER. LARGE VOLUMES MUST BE SENT FOR DISPOSAL AS SPECIAL WASTE. RINSE OUT EMPTY CONTAINER WITH WATER AND CONSIGN TO NORMAL WASTE.
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### GENERAL INFORMATION

	THIS PRODUCT IS CONSIDERED AS NONE HAZARDOUS
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### DISPOSAL METHODS

	LOCAL AND NATIONAL REGULATIONS. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.
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### DISPOSAL OF PACKAGING

	EMPTY CONTAINERS CAN BE CLEANED WITH WATER. EMPTY CONTAINERS CAN BE SENT FOR DISPOSAL OR RECYCLING.
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#### SECTION 14: TRANSPORT INFORMATION

**ADR/RID**

THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE.

**IMDG**

THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE.

**IATA**

THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE.

#### 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 CHEMICAL 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 DIRECTIVE 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 CHEMICAL 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 AND 2000/21/EC

##### 15.2 CHEMICAL SAFETY ASSESSMENT

	NO DATA IS AVAILABLE ON THIS PRODUCT
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#### SECTION 16: OTHER INFORMATION

##### OTHER INFORMATION

**Text of risk phrases in Section 3**

H319- CAUSES SERIOUS EYE IRRITATION.  
H225 HIGHLY FLAMMABLE LIQUID VAPOUR  
H336 MAY CAUSE DROWSINESS OR DIZZINESS  
H400- VERY TOXIC TO AQUATIC LIFE

##### GENERAL INFORMATION

	THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE. 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.
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##### FURTHER INFORMATION

	The information contained in this data sheet is, to the best of our knowledge and belief, accurate and is based upon our technical knowledge of the product and the date of issue. No warranty or representation, express or implied, is made as to its accuracy, reliability or completeness.  PROTON LTD WILL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY RESULTING FROM
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ANY INHERENT HAZARD OF THE MATERIAL, THE ABNORMAL USE OF THE MATERIAL OR FROM FAILURE TO ADHERE TO RECOMMENDATION.