



# SAFETY DATA SHEET

Issuing Date: 23-Aug-2016

Revision Date: 23-Aug-2016

Version 1

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product Identifier** 16-0799\_RANDD\_CLP  
**Product Name** AATCC Nil Brightener  
**Synonyms** AATCC Brightener (16-0817\_RANDD\_CLP)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Intermediate  
**Sector of use** SU10 - Formulation [mixing] of preparations and/or re-packaging  
**Product Category** Unpackaged Bulk Product. This Safety Data Sheet must not be used for Packaged Consumer Product.

### 1.3 Details of the supplier of the safety data sheet

P&G - Newcastle Innovation Centre. Whitley Road, Longbenton, Newcastle upon Tyne, Tyne & Wear. NE12 9TS. UK.

For further information, please contact: [pgsds.im@pg.com](mailto:pgsds.im@pg.com)

### 1.4 Emergency Telephone Number

**Emergency Telephone** EUROPE: CONTACT CHEMTREC (24 hr) +(41) 22 58 004 8213 (day phone); BELGIUM: Centre Antipoison/ Antigifcentrum: 070/245.245 BENELUX FR: Centre Antipoison 070/245.245, Chemtrec: +(32)-28083237; BULGARIA: +359 2 9154 409; CZECH REPUBLIC: Chemtrec +(420)-228880039; DENMARK: Alarmcentralen, telefon 112 (Giftlinjen: 82 12 12 12); ESTONIA: 16662; FINLAND: Myrkytystietokeskus, Puhelin 09-471 977; FRANCE: Chemtrec +(33)-975181407; N° d'appel d'urgence Orfila : 01 45 42 59 59; GERMANY: Chemtrec 0800-181-7059; +49 (0) 6131-232466 (24h); GREECE: Τηλ. Κέντρου Δηλητηριάσεων: 210-7793777; HUNGARY: Chemtrec +(36)-18088425; 06 80 20 11 99; IRELAND: 1800 509 497; ITALY: Chemtrec 800-789-767; Numero di emergenza: 06 50971; LATVIA: Ārkārtas situācijās zvanīt uz Saindēšanās informācijas centru - tel. 67042473; LITHUANIA: (8 5) 236 20 52; NETHERLANDS: Chemtrec +(31)-858880596; Nationaal Vergiftigen Informatie Centrum: Tel. 030 - 2748888 (Uitsluitend voor een behandelde arts bereikbaar in geval van accidentele vergiftigen); NORWAY: Nødnummer: 113 (Giftinformasjonssentralen, telefon 22 59 13 00) POLAND: Chemtrec +(48)-223988029; tel. alarmowy 112 lub 801 25 88 25 (poniedziałek – piątek, godz. 8:30 -17); PORTUGAL: Tel. emergência CIAV: 808 250 143; RUSSIA Chemtrec 8-800-100-6346; ROMANIA: 021 3183606 SLOVAKIA: Toxikologické informačné centrum +421 2 5477 4166; SPAIN: Chemtrec 900-868538; 91. 722. 21.00; SWEDEN: Chemtrec +(46)-852503403; Giftinformationscentralen, telefon 112.; SWITZERLAND: 145 (24h); TURKEY: 0 800 261 63 65 – 0 216 463 80 00 (Mesai günleri saat 09.00 ile 17.00)

arasında ulaşabilirsiniz.) Ulusal Zehir Merkezi: 114; UK: Chemtrec +(44)-870-8200418;  
0800 328 8304

## 2. HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS / CLP - Regulation (EC) No 1272/2008

Skin corrosion/irritation Category 2 - (H315)  
Serious eye damage/eye irritation Category 1 - (H318)

For the full text of the H-Statements mentioned in this Section, see Section 16

### 2.2 Label elements

Classification according to Regulation (EC) No. 1272/2008  
[CLP]

Hazard pictograms



Signal Word	DANGER
Hazard Statements	H315 - Causes skin irritation H318 - Causes serious eye damage
Precautionary Statements	P280 - Wear eye protection/ face protection P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Contains Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

### 2.3 Other hazards

Other hazards None.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not Applicable.

#### 3.2 Mixtures

Chemical Name	CAS-No	EC-No	REACH Registration No	Weight %	GHS / CLP Classification 1272/2008 [CLP]	M-Factor (acute)	M-Factor (chronic)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	270-115-0	-	10 - 30	Acute Tox. 4(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Chronic 3(H412)		
Sodium carbonate	497-19-8	207-838-8	01-2119485498-19	10 - 30	Eye Irrit. 2(H319)		

For the full text of the H-Statements mentioned in this Section, see Section 16

### 4. FIRST AID MEASURES

#### 4.1 Description of first-aid measures

<b>Skin contact</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Wash hands thoroughly after handling.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Inhalation</b>	Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

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

**Main Symptoms** MAY CAUSE SKIN IRRITATION. Causes serious eye damage.

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

**Notes to Physician** Refer to section 4.1

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media** Water. Dry chemical. Alcohol-resistant foam.

**Extinguishing media which shall not be used for safety reasons** No information available.

#### 5.2 Special hazards arising from the substance or mixture

**Special hazard** None in particular.

#### 5.3 Advice for firefighters

**Special protective equipment for fire-fighters**      Wear self-contained breathing apparatus and protective suit.

**Protective equipment and precautions for firefighters**      Do not allow run-off from fire-fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions**      Wear protective gloves/protective clothing and eye/face protection.

### 6.2 Environmental precautions

**Environmental precautions**      Keep out of drains, sewers, ditches and waterways.

### 6.3 Methods and materials for containment and cleaning up

**Methods for containment**      Contain spill. The product should not be allowed to enter drains, water courses or the soil.

**Methods for cleaning up**      Clean up promptly by scoop or vacuum. Avoid dust formation.

### 6.4 Reference to other sections

**Other information**      Refer to protective measures listed in Sections 7 and 8.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Advice on safe handling**      Clean up spill immediately. Do not allow to enter into surface water or drains. Empty containers should be taken for local recycling, recovery or waste disposal. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required.

### 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions**      Keep containers tightly closed in a dry, cool and well-ventilated place.

**Requirements for storage areas and containers**      Not Applicable

### 7.3. Specific end use(s)

**Specific end uses**      Not Applicable

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure Guidelines

Chemical Name	CAS-No	Austria	Belgium	Bulgaria	Czech Republic	Denmark
Sodium carbonate	497-19-8	-	-	-	Ceiling: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	-
Chemical Name	CAS-No	Romania	Slovakia	Slovenia	Spain	Sweden
Sodium carbonate	497-19-8	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	-	-	-	-

#### Derived No Effect Level (DNEL)

**Workers**

Chemical Name	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	170 mg/kg bw/d	12 mg/m <sup>3</sup>		12 mg/m <sup>3</sup>
Sodium carbonate				10 mg/m <sup>3</sup>

**Consumers**

Chemical Name	Consumer - inhalative, short-term - local	Consumer - dermal, short-term - local
Sodium carbonate	10 mg/m <sup>3</sup>	

Chemical Name	Consumer - dermal, short-term - local	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts		3 mg/m <sup>3</sup>	

Chemical Name	Consumer - oral, long-term systemic	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	0.85 mg/kg bw/d	3 mg/m <sup>3</sup>	85 mg/kg bw/d

**Predicted No Effect Concentration (PNEC)**

Chemical Name	Fresh Water	Marine water	Intermittent release
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	0.268 mg/L	0.0268 mg/L	0.0167 mg/L

Chemical Name	Freshwater sediment	Marine sediment	Sewage treatment plant	Soil	air	Oral
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	8.1 mg/kg sediment dw	8.1 mg/kg sediment dw	3.43 mg/L	35 mg/kg soil dw		

**8.2 Exposure controls****Engineering Measures**

**Manufacturing Sites:**  
Use with local exhaust ventilation

**Personal protective equipment****Eye Protection**

**Manufacturing Sites:**  
Tight sealing safety goggles

**Hand Protection**

**Manufacturing Sites:**  
Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion

**Skin and Body Protection**

**Manufacturing Sites:**  
Wear protective gloves and protective clothing  
Wear suitable protective clothing

**Respiratory Protection**

**Manufacturing Sites:**  
Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust)

**Thermal hazards**

Not available.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**

See section 6 for more information.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical State @20°C	Solid
Appearance	white, powder, granules
Odor	None
Odor threshold	Not available. This product don't have substances deriving inhalation health risk.

<u>Property</u>	<u>Values</u>	<u>Note</u>
pH	Not available	Not applicable. This property is not relevant for solid product forms
Melting/freezing point	Not available	Not available. This property is not relevant for the safety and classification of this product
Boiling point/boiling range	No data available	Not applicable. This property is not relevant for solid product forms
Flash point	No data available	Not applicable. This property is not relevant for solid product forms.
Evaporation rate	No data available	Not applicable. This property is not relevant for solid product forms
Upper flammability limit	Not available	Not available. This property is not relevant for the safety and classification of this product .
Lower Flammability Limit	Not available	Not available. This property is not relevant for the safety and classification of this product
Flammability (solid, gas)	No data available	Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties
Vapor pressure	No data available	Not applicable. This property is not relevant for solid product forms
Vapor density	No data available	Not applicable. This property is not relevant for solid product forms
Relative density	Not available	Not available. This property is not relevant for the safety and classification of this product
Solubility	Not available	
Partition Coefficient (n-octanol/water)	Not available	Not available. This property is not relevant for the safety and classification of this product
Autoignition temperature	Not available	Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature	Not available	Not applicable. This property is not relevant for solid product forms
Viscosity	Not available	
Explosive properties	Not applicable	Not applicable. This product does not contain any substance which possesses dust explosible properties.
Oxidizing properties	Not available	Not applicable. This product is not classified as oxidizing as it does not contain any substances which possesses oxidizing properties CLP (Art 14 (2) )

### 9.2 Other information

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Reactivity Reacts with (some) acids/bases: release of (highly) toxic gases/vapours.

### 10.2 Chemical stability

Stability Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerization None under normal processing.

#### 10.4 Conditions to Avoid

Conditions to Avoid No information available.

#### 10.5 Materials to avoid

Materials to avoid None in particular.

#### 10.6 Hazardous Decomposition Products

Hazardous Decomposition Products None under normal use conditions.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Product Information

Principle routes of exposure	Skin contact, Eye contact, Inhalation, Ingestion.
Acute toxicity	Not Classified. Based on the available data, the classification criteria are not met.
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Risk of serious damage to eyes.
Skin sensitization	Not Classified. Based on the available data, the classification criteria are not met.
Respiratory sensitization	Not Classified. Based on the available data, the classification criteria are not met.
Germ cell mutagenicity	Not Classified. Based on the available data, the classification criteria are not met.
Carcinogenicity	Not Classified. Based on the available data, the classification criteria are not met.
Reproductive toxicity	Not Classified. Based on the available data, the classification criteria are not met.
STOT - single exposure	Not Classified. Based on the available data, the classification criteria are not met.
STOT - repeated exposure	Not Classified. Based on the available data, the classification criteria are not met.
Aspiration hazard	Not Classified. Based on the available data, the classification criteria are not met.

#### Component Information

Chemical Name	CAS-No	Oral LD50	Dermal LD50	Inhalation LC50
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	1080 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 402)	-
Sodium carbonate	497-19-8	2800 mg/kg bw	> 2000 mg/kg bw (US EPA 16 CFR 1500.40)	-

Chemical Name	Carcinogenicity	Species	Developmental toxicity	Species	Eye Damage	Species	Mutagenicity	Species
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts					Y (100%; OECD 405)			

Chemical Name	Reproductive toxicity	Species	Skin corrosion/irritation	Species	Sensitization	Species
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts			Y (100%; OECD 404)			

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Ecotoxicity effects

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

#### Acute toxicity

Chemical Name	CAS-No	Toxicity to Fish (LC50)*	Toxicity to algae (EC50)*	Toxicity to daphnia and other aquatic invertebrates (EC50)*	Toxicity to Microorganisms (EC50)*	Toxicity to other organisms
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	1.67 mg/L (US EPA 850.1075; Lepomis macrochirus; 96 h)	127.9 mg/L (88/302/EWG; Desmodesmus subspicatus; 72 h)	2.9 mg/L (OECD 202; Daphnia magna; 48 h)	-	-
Sodium carbonate	497-19-8	300 mg/L (Lepomis macrochirus; 96 h)	-	200 mg/L (Ceriodaphnia sp.; 48 h)	-	-

\* If different it will be explained in the table

### Chronic Toxicity

Chemical Name	CAS-No	Toxicity to algae (NOEC or ECx)*	Toxicity to fish (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*	Toxicity to other organisms
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	2.4 mg/L (88/302/EWG; Desmodesmus subspicatus; 3 d)	0.23 mg/L (Oncorhynchus mykiss; 72 d)	0.5 mg/L (Ceriodaphnia sp.; 7 d)		2.4 mg/L (//OECD 218; Chironomus riparius; 28 d)

\* If different it will be explained in the table

### 12.2 Persistence and degradability

Chemical Name	CAS-No	Biodegradation	Hydrolysis t1/2 (half-life)	Half-life (Photolysis-Atmospheric)	Biodegradability
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	85% CO <sub>2</sub> ; 29 d; OECD 301 B			85% CO <sub>2</sub> ; 29 d; OECD 301 B

### 12.3 Bioaccumulative potential

Chemical Name	CAS-No	Octanol/water partition coefficient	Bioconcentration factor (BCF)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	1.4	

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

#### PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 12.6 Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Waste from Residues / Unused

Dispose of in accordance with local regulations.



**Products**

<b>Disposal recommendations</b>	Dispose of in accordance with federal, state, and local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>EWC Waste Disposal No.</b>	07 06 01

**13.2 Additional information**

<b>Additional information</b>	No information available
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**14. TRANSPORT INFORMATION****IMDG**

<b>14.1 UN Number</b>	Not regulated
<b>14.2 UN Proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental Hazards</b>	Not regulated
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available

**IATA**

<b>14.1 UN no</b>	Not regulated
<b>14.2 UN Proper shipping name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental Hazards</b>	Not regulated

**ICAO**

<b>14.1 UN no</b>	Not regulated
<b>14.2 UN Proper shipping name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental Hazards</b>	Not regulated

**ADR**

<b>14.1 UN no</b>	Not regulated
<b>14.2 UN Proper shipping name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental Hazards</b>	Not regulated

**RID**

<b>14.1 UN no</b>	Not regulated
<b>14.2 UN Proper shipping name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental Hazards</b>	Not regulated

**ADN**

<b>14.1 UN no</b>	Not regulated
<b>14.2 UN Proper shipping name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental Hazards</b>	Not regulated

**15. REGULATORY INFORMATION**

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

WGK- WGK Classification (VwVwS) WGK 2

**International Inventories**

Australian Inventory of Chemical Substances (AICS) Complies

**16. OTHER INFORMATION****16.1 Indication of changes**

Issuing Date:	23-Aug-2016
Revision Date:	23-Aug-2016
Reason for revision	Not applicable

**16.2 Abbreviations and acronyms**

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
CAS-No: Chemical Abstracts Service number  
CLP - The Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC 1272/2008)  
EINECS: European Inventory of Existing Commercial Chemical Substances  
EC-Number: EINECS and ELINCS Number (see also EINECS and ELINCS)  
EC50: Calculated concentration causing a 50% reduction in cellular reproduction  
GHS- Globally Harmonized System of Classification and Labeling of Chemicals (GHS)  
IATA - International Air Transport Association  
LC50: Lethal Concentration to 50% of a test population  
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)  
PVC- Polyvinylchloride  
REACH- Registration, Evaluation and Authorization of Chemicals  
STEL - Short term exposure limit  
STP- Sewage treatment plant

**16.3 Key literature references and sources for data**

No information available

**16.4 Classification****Skin corrosion/irritation**

Category 2

**Serious eye damage/eye irritation**

Category 1

**16.5 Full text of H-Statements referred to under sections 2 and 3****Full text of H-Statements referred to under sections 2 and 3**

H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
H412 - Harmful to aquatic life with long lasting effects

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**16.6 Training Advice**

No information available

**16.7 Further information**

**Prepared By**

Turkey - Prepared By: Procter & Gamble Tüketim Malları San. A.Ş. İçerenköy Mah. Askent Sok. No:3-A 34752 Ataşehir / İstanbulBaşak Gülsün / GBF -1841 /Tel.: 0 216 463 80 00 gulsun.b@pg.com.

**Disclaimer**

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**End of SDS**