

# SAFETY DATA SHEET



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Version 1.01

## 1. IDENTIFICATION

**Product Name** EC30 laundry

**Product Identifier** EXP-18-EI0509\_RANDD\_NG

**Product Type:** R&D Material

**Recommended Use** Intermediate.

**Product Category** Unpackaged Bulk Product. This Safety Data Sheet must not be used for Packaged Consumer Product.

**Details of the supplier of the safety data sheet** TSDC  
5280 Vine Street  
St. Bernard, OH 45217  
Phone: 513.551.3136

**E-mail Address** pgsds.im@pg.com

**Emergency Telephone** Transportation (24 HR)  
CHEMTREC - 1-800-424-9300  
(U.S./ Canada) or 1-703-527-3887  
Mexico toll free in country: 800-681-9531

## 2. HAZARD IDENTIFICATION

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

**Skin corrosion/irritation** Category 2  
**Eye Damage / Irritation** Category 1  
**Respiratory sensitization** Category 1  
**Signal Word** DANGER

**Hazard Statements** Causes skin irritation  
Causes serious eye damage  
May cause allergy or asthma symptoms or breathing difficulties if inhaled

**Hazard pictograms**



**Precautionary Statements** Wear protective gloves and protective clothing  
Wear eye/face protection  
Wear protective gloves  
Wash hands thoroughly after handling

**Precautionary Statements - Response**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing  
 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  
 IF ON SKIN: Wash with plenty of water and soap  
 If skin irritation or rash occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before re-use  
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

**Precautionary Statements - Storage** None

**Precautionary Statements - Disposal** Dispose of contents/container in accordance with local regulation

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation**

Chemical Name	Synonyms	Trade Secret	CAS No	Weight-%
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C12-14-alkyl ethers, sodium salts	Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C12-14-alkyl ethers, sodium salts	No	68891-38-3	10 - 15
Sodium carbonate	Carbonic acid sodium salt (1:2)	No	497-19-8	10 - 15
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	No	68955-19-1	5 - 10
Tetramethyl Acetyloctahydronaphthalenes	Naphthalene, 2-Acetyl-octahydro-tetramethyl-	No	54464-57-2	0.1 - 1.0
Limonene	D-Limonene	No	5989-27-5	0.1 - 1.0
Protease	Subtilisin	No	9014-01-1	0.1 - 1.0

**Additional information**

Actual substance concentrations fall within the ranges stated. Maximum values do not necessarily represent the values present in the formula.

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes****Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Immediately call a POISON CENTER or doctor/physician.

**Skin contact**

IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Ingestion**

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

**Inhalation**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if exposed or you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

**Most important symptoms/effects, acute and delayed**

Risk of serious damage to eyes. MAY CAUSE SKIN IRRITATION. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**F. Indication of immediate medical attention and special treatment needed, if necessary**

Notes to Physician Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Water. Dry chemical. Alcohol resistant foam.
<b>Unsuitable Extinguishing Media</b>	None.
<b>Special hazard</b>	None known.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific hazards arising from the chemical</b>	None.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

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

**Advice for emergency responders** Use personal protective equipment as required.

**Environmental precautions** Should not be released into the environment

### 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.

## 7. HANDLING AND STORAGE

### 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.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** No exposure limits noted for ingredient(s).

No relevant exposure guidelines for other ingredients

### Exposure controls

**Engineering Measures** **Manufacturing Sites:**

Use with local exhaust ventilation

**Personal Protective Equipment**

**Eye Protection**

**Manufacturing Sites:**  
Wear eye/face protection  
**Distribution, Workplace and Household Settings:**  
Requires Eye Protection  
Wear safety glasses with side shields (or 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  
**Distribution, Workplace and Household Settings:**  
Protective gloves

**Skin and Body Protection**

**Manufacturing Sites:**  
Wear suitable protective clothing

**Respiratory Protection**

**Manufacturing Sites:**  
Avoid breathing vapors, mist or gas.  
In case of inadequate ventilation wear respiratory protection  
**Distribution, Workplace and Household Settings:**  
Avoid breathing dust.  
Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust)

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state** Solid  
**Appearance** Solid white fibers  
**Odor** Scented  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	10.2	(as 1% solution)
<b>Melting point / freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	No information available	
<b>Flash point</b>	71 °C / 159.8 °F	Closed cup.
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper flammability or explosive limits</b>	No information available	
<b>Lower flammability or explosive limits</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	No information available	
<b>Water solubility</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	.
<b>Decomposition temperature</b>	No information available	.
<b>Viscosity</b>	No information available	

**10. STABILITY AND REACTIVITY**

**Reactivity** Reacts with (some) acids/bases: release of (highly) toxic gases/vapours.  
**Stability** Stable under normal conditions.

<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	None under normal processing.
<b>Incompatible materials</b>	None in particular.
<b>Hazardous decomposition products</b>	None under normal use conditions.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

<b>Inhalation</b>	May cause sensitization by inhalation.
<b>Skin contact</b>	Irritating to skin.
<b>Ingestion</b>	No known effect.
<b>Eye contact</b>	Risk of serious damage to eyes. Avoid contact with eyes.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Acute toxicity</b>	No known effect.
<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Risk of serious damage to eyes.
<b>Skin sensitization</b>	No known effect.
<b>Respiratory sensitization</b>	Respiratory sensitizer.
<b>Germ cell mutagenicity</b>	No known effect.
<b>Neurological Effects</b>	No known effect.
<b>Reproductive toxicity</b>	No known effect.
<b>Developmental toxicity</b>	No known effect.
<b>Teratogenicity</b>	No known effect.
<b>STOT - single exposure</b>	No known effect.
<b>STOT - repeated exposure</b>	No known effect.
<b>Target Organ Effects</b>	No known effect.
<b>Aspiration hazard</b>	No known effect.
<b>Carcinogenicity</b>	No known effect.

### Component Information

Chemical Name	CAS No	Oral LD50	Dermal LD50	Inhalation LC50
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C12-14-alkyl ethers, sodium salts	68891-38-3	2870 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)	-
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	68955-19-1	> 2000 mg/kg bw (EU Method B.1; standard acute method; rat)	> 500 mg/kg bw (Read across data on C12-13ASO <sub>4</sub> , K; OECD 402; standard acute method; rabbit; based on active ingredient; WoE data)	-
Protease	9014-01-1	1800 mg/kg bw (//OECD 401)	-	-

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Persistence and degradability** No information available.

**Bioaccumulative potential** .

**Mobility** No information available.

**Other adverse effects** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Waste from Residues/Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):.

Chemical Name	CAS No	Hazardous Substances RQs	Extremely Hazardous Substances RQs	CERCLA/SARA 302 TPQ
Benzenesulfonic acid, dodecyl-, sodium salt (1:1)	25155-30-0	1000 lb	-	

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):.

Chemical Name	CAS No	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Benzenesulfonic acid, dodecyl-, sodium salt (1:1)	25155-30-0	1000 lb	-	-	X
Sodium hydroxide	1310-73-2	1000 lb	-	-	X

**California Proposition 65**

This product is not subject to warning labeling under California Proposition 65.

**U.S. State Regulations (RTK)**

Chemical Name	CAS No	New Jersey
Benzenesulfonic acid, dodecyl-, sodium salt (1:1)	25155-30-0	X

Chemical Name	CAS No	Massachusetts
Benzenesulfonic acid, dodecyl-, sodium salt (1:1)	25155-30-0	X

Chemical Name	CAS No	Pennsylvania
Benzenesulfonic acid, dodecyl-, sodium salt (1:1)	25155-30-0	X
Sodium hydroxide	1310-73-2	X

Chemical Name	CAS No	Rhode Island
Benzenesulfonic acid, dodecyl-, sodium salt (1:1)	25155-30-0	X

### International Inventories

#### **United States**

For R&D Use Only

#### **Canada**

This product is in compliance with CEPA for import by P&G

#### Legend

United States Toxic Substances Control Act Section 8(b) Inventory (TSCA)

**CEPA** - Canadian Environmental Protection Act

## 16. OTHER INFORMATION

**Issuing Date:** 13-Dec-2018

**Revision date** 26-Jun-2019

#### **Disclaimer.**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text

**End of SDS**