

SAFETY DATA SHEET



Issuing Date: 30-Aug-2018

Revision date 26-Jun-2019

Version 1.02

1. IDENTIFICATION

Product Name	EC30 Conditioner
Product Identifier	EXP-16-CT7935-AN-MF_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
Specific target organ toxicity (repeated exposure)	Category 2
Signal Word	DANGER
Hazard Statements	Causes skin irritation Causes serious eye damage May cause damage to organs through prolonged or repeated exposure
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

Precautionary Statements - Storage None

Precautionary Statements - Disposal None

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-%
1-Docosanaminium, N,N,N-trimethyl-, methyl sulfate (1:1)	1-Docosanaminium, N,N,N-trimethyl-, methyl sulfate (1:1)	No	81646-13-1	10 - 15
Siloxanes and Silicones, di-Me, 3-aminopropyl group-terminated	Siloxanes and Silicones, di-Me, 3-aminopropyl group-terminated	No	106214-84-0	1 - 5
Isopropanol	2-Propanol	No	67-63-0	1 - 5
Limonene	D-Limonene	No	5989-27-5	1 - 5
Pentamethyl Octahydroindenodioxane	Indeno[4,5-d]-1,3-dioxin 4,4a,5,6,7,8,9,9b-octahydro-7,7,8,9,9-pentamethyl-	No	365411-50-3	0.5 - 1.5
Tetramethyl Acetyloctahydronaphthalenes	Tetramethyl Acetyloctahydronaphthalenes	No	54464-57-2	0.5 - 1.5
Cyclamen Aldehyde (ethoxymethoxy)Cyclododecane	Cyclamen Aldehyde	No	103-95-7	0.5 - 1.5
3-(p-cumenyl)Propionaldehyde	Boisambrene Forte	No	58567-11-6	0.1 - 1.0
	3-(p-Cumenyl)propionaldehyde	No	7775-00-0	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. Wash hands thoroughly after handling.

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.

Most important symptoms/effects, acute and delayed Risk of serious damage to eyes. MAY CAUSE SKIN IRRITATION.

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

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

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

Unsuitable Extinguishing Media None.

Special hazard None known.

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific hazards arising from the chemical 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 Handle in accordance with good industrial hygiene and safety practice.

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 No information available

Personal Protective Equipment

Eye Protection **Manufacturing Sites:**
Wear eye/face protection
Distribution, Workplace and Household Settings:
Requires Eye Protection

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 No special protective equipment required

Respiratory Protection Do not breathe vapors, mist or gas

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Solid
Appearance white
Odor Perfume
Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	7.5	10% aqueous solution
Melting point / freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	.
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper flammability or explosive limits	No information available	
Lower flammability or explosive limits	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	.
Decomposition temperature	No information available	.
Viscosity	No information available	

10. STABILITY AND REACTIVITY

Reactivity None under normal use conditions.

Stability Stable under normal conditions.

Hazardous polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

Conditions to Avoid None under normal processing.

Incompatible materials None in particular.

Hazardous decomposition products None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Inhalation No known effect.
Skin contact Irritating to skin.
Ingestion No known effect.
Eye contact 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

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

Component Information

Chemical Name	CAS No	Oral LD50	Dermal LD50	Inhalation LC50
Isopropanol	67-63-0	5840 mg/kg bw (//OECD 401)	-	> 24.578 mg/L air (//OECD 403)
Allyl heptanoate	142-19-8	218 mg/kg (rat)	810 mg/kg (rabbit)	3 mg/l/4h (rat)
Cyclamen Aldehyde	103-95-7	3810 mg/kg bodyweight (rat)	-	-
Citral	5392-40-5	-	2500 mg/kg bodyweight (rat)	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Hazardous to the Aquatic Environment.

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 Disposal should be in accordance with applicable regional, national and local laws and

Products regulations.

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

California Hazardous Waste Codes (non-household setting) 561

14. TRANSPORT INFORMATION

DOT Not regulated

IMDG

UN Number UN3077
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Description UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1-Docosanaminium, N,N,N-trimethyl-, methyl sulfate (1:1), Limonene), 9, III, Marine pollutant
Transport hazard class(es) 9
Packing Group III
EmS-No. F-A, S-F
 Product is not regulated for transport by vessel in retail packaging per IMDG 2.10.2.7.

IATA

UN Number UN3077
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Description UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1-Docosanaminium, N,N,N-trimethyl-, methyl sulfate (1:1), Limonene), 9, III
Transport hazard class(es) 9
Packing Group III
 Product is not regulated for transport by air in retail packaging per IATA Special Provision A197.

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS No	SARA 313 - Threshold Values %
Isopropanol	67-63-0	1.0

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

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

This product contains the following substance(s) which are either listed as hazardous air pollutants (HAPS) or VOC's per the Clean Air Act:

Chemical Name	CAS No	CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
Methanol	67-56-1	X

Chemical Name	Volatile organic compounds
Isopropanol	Present
Methanol	Present

Methyl acetate	Present
Phenoxyethanol	Present

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS No	California Prop. 65
Methanol	67-56-1	Developmental

U.S. State Regulations (RTK)

Chemical Name	CAS No	New Jersey
Isopropanol	67-63-0	X
Methanol	67-56-1	X

Chemical Name	CAS No	Massachusetts
Isopropanol	67-63-0	X

Chemical Name	CAS No	Pennsylvania
Isopropanol	67-63-0	X
Methanol	67-56-1	X
Methyl acetate	79-20-9	X
3-Hexenol	928-96-1	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: 30-Aug-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