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INCI Names for Hydrocarbons

The INC (Int'l Nomenclature Committee) is revising the nomenclature for the hydrocarbon ingredients currently designated by INCI names containing the term “isoparaffin” and “pareth”. The new approach will replace the stem terms “isoparaffin” and “pareth” with “isoalkane” and “alketh” respectively, preceded by the appropriate carbon number designation. The rationale for the change is based on the alignment of INCI names with REACH, and specifically the approach taken by the Hydrocarbon Solvent Producers Association and the OECD Guidance for Characterizing Hydrocarbon Solvents which describes hydrocarbon substances by the carbon range and the term “alkane.” The revised INCI Conventions will account for using even-numbering where the hydrocarbons contain only even chains; odd-numbering where the hydrocarbons contain only odd chains; both even- and odd-numbering where the composition is a mixture of both even- and odd-numbered chains.

The INCI names currently identified as “Isoparaffin” and “Pareth” will be described by the term “Formerly” in the monograph title. This approach will be maintained in publication for an indefinite period of time to fully allow for transition to the new terminology, e.g., on product labels and in product literature. Although this update will bring about a large number of INCI name changes, we are excited to move forward with the new nomenclature to greater facilitate the global harmonization of substance identification.

Global regulatory authorities will be notified about this nomenclature update so that they can amend their domestic inventories and databases accordingly with the new names for these existing ingredients. Publication of the new names in PCPC's *InfoBase* and *WINCI* is planned for spring 2021 in conjunction with the release of PCPC's new subscription data base portal.

See the following page for a complete listing of ingredient names to be amended.

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C7-8 Isoparaffin	C12-13 Pareth-23	C12-15 Pareth-10 Phosphate
C8-9 Isoparaffin	C12-14 Pareth-3	C12-16 Pareth-6 Phosphate
C9-11 Isoparaffin	C12-14 Pareth-5	C11-15 Sec-Pareth-12
C9-12 Isoparaffin	C12-14 Pareth-7	C12-14 Sec-Pareth-3
C9-13 Isoparaffin	C12-14 Pareth-9	C12-14 Sec-Pareth-5
C9-14 Isoparaffin	C12-14 Pareth-11	C12-14 Sec-Pareth-7
C9-16 Isoparaffin	C12-14 Pareth-12	C12-14 Sec-Pareth-8
C10-11 Isoparaffin	C12-15 Pareth-2	C12-14 Sec-Pareth-9
C10-12 Isoparaffin	C12-15 Pareth-3	C12-14 Sec-Pareth-12
C10-13 Isoparaffin	C12-15 Pareth-4	C12-14 Sec-Pareth-15
C11-12 Isoparaffin	C12-15 Pareth-5	C12-14 Sec-Pareth-20
C11-13 Isoparaffin	C12-15 Pareth-7	C12-14 Sec-Pareth-30
C11-14 Isoparaffin	C12-15 Pareth-9	C12-14 Sec-Pareth-40
C12-14 Isoparaffin	C12-15 Pareth-10	C12-14 Sec-Pareth-50
C12-15 Isoparaffin	C12-15 Pareth-11	C11-15 Pareth-3 Stearate
C12-20 Isoparaffin	C12-15 Pareth-12	C11-15 Pareth-12 Stearate
C13-14 Isoparaffin	C12-16 Pareth-5	DEA-C12-13 Pareth-3 Sulfate
C13-16 Isoparaffin	C12-16 Pareth-7	Di-C12-15 Pareth-2 Phosphate
C14-16 Isoparaffin	C12-16 Pareth-9	Di-C12-15 Pareth-4 Phosphate
C15-19 Isoparaffin	C13-15 Pareth-21	Di-C12-15 Pareth-6 Phosphate
C18-24 Isoparaffin	C14-15 Pareth-4	Di-C12-15 Pareth-8 Phosphate
C18-50 Isoparaffin	C14-15 Pareth-7	Di-C12-15 Pareth-10 Phosphate
C18-70 Isoparaffin	C14-15 Pareth-8	Disodium C12-14 Pareth-1 Sulfosuccinate
C20-40 Isoparaffin	C14-15 Pareth-11	Disodium C12-14 Pareth-2 Sulfosuccinate
Ammonium C12-15 Pareth Sulfate	C14-15 Pareth-12	Disodium C12-14 Pareth-3 Sulfosuccinate
Cetyl C12-15 Pareth-8 Carboxylate	C14-15 Pareth-13	Disodium C12-14 Pareth-4 Sulfosuccinate
Cetyl C12-15-Pareth-9 Carboxylate	C20-22 Pareth-30	Disodium C12-15 Pareth Sulfosuccinate
C9-11 Pareth-2	C20-40 Pareth-3	Disodium C12-14 Sec-Pareth-3
C9-11 Pareth-3	C20-40 Pareth-10	Sulfosuccinate
C9-11 Pareth-4	C20-40 Pareth-24	Disodium C12-14 Sec-Pareth-5
C9-11 Pareth-6	C20-40 Pareth-40	Sulfosuccinate
C9-11 Pareth-8	C20-40 Pareth-95	Disodium C12-14 Sec-Pareth-7
C9-11 Pareth-40	C22-24 Pareth-33	Sulfosuccinate
C9-15 Pareth-8	C30-50 Pareth-3	Disodium C12-14 Sec-Pareth-9
C10-16 Pareth-1	C30-50 Pareth-10	Sulfosuccinate
C10-16 Pareth-2	C30-50 Pareth-40	Disodium C12-14 Sec-Pareth-12
C11-13 Pareth-6	C40-60 Pareth-3	Sulfosuccinate
C11-13 Pareth-9	C40-60 Pareth-10	Isopropyl C12-15-Pareth-9 Carboxylate
C11-13 Pareth-10	C12-15 Pareth-3 Benzoate	MIPA-C12-14 Sec-Pareth-3 Acetate
C11-15 Pareth-3	C9-11 Pareth-6 Carboxylic Acid	MIPA C12-15 Pareth Sulfate
C11-15 Pareth-5	C9-11 Pareth-8 Carboxylic Acid	PPG-2 C9-11 Pareth-5
C11-15 Pareth-7	C11-15 Pareth-7 Carboxylic Acid	PPG-2 C9-11 Pareth-7
C11-15 Pareth-9	C12-13 Pareth-5 Carboxylic Acid	PPG-2 C9-11 Pareth-8
C11-15 Pareth-12	C12-13 Pareth-7 Carboxylic Acid	PPG-2 C9-11 Pareth-11
C11-15 Pareth-15	C12-13 Pareth-8 Carboxylic Acid	PPG-2 C12-13 Pareth-8
C11-15 Pareth-20	C12-13 Pareth-12 Carboxylic Acid	PPG-2 C12-15 Pareth-6
C11-15 Pareth-30	C12-15 Pareth-7 Carboxylic Acid	PPG-4 C13-15 Pareth-15
C11-15 Pareth-40	C12-15 Pareth-8 Carboxylic Acid	PPG-5 C9-15 Pareth-6
C11-21 Pareth-3	C12-15 Pareth-12 Carboxylic Acid	PPG-6 C9-11 Pareth-5
C11-21 Pareth-10	C14-15 Pareth-8 Hydroxylic Acid	PPG-6 C12-15 Pareth-12
C12-13 Pareth-1	C12-15 Pareth-9 Hydrogenated Tallowate	PPG-6 C12-18 Pareth-11
C12-13 Pareth-2	C11-15 Pareth-3 Oleate	PPG-3 C12-14 Sec-Pareth-7
C12-13 Pareth-3	C12-15 Pareth-12 Oleate	PPG-4 C12-14 Sec-Pareth-5
C12-13 Pareth-4	C6-10 Pareth-4 Phosphate	PPG-5 C12-14 Sec-Pareth-7
C12-13 Pareth-5	C12-13 Pareth-2 Phosphate	PPG-5 C12-14 Sec-Pareth-9
C12-13 Pareth-6	C12-13 Pareth-10 Phosphate	Propyl C12-15 Pareth-8 Carboxylate
C12-13 Pareth-7	C12-15 Pareth-2 Phosphate	Sodium C13-15 Pareth-8 Butyl Phosphate
C12-13 Pareth-9	C12-15 Pareth-3 Phosphate	Sodium C9-11 Pareth-6 Carboxylate
C12-13 Pareth-10	C12-15 Pareth-6 Phosphate	Sodium C11-15 Pareth-7 Carboxylate
C12-13 Pareth-12	C12-15 Pareth-8 Phosphate	Sodium C12-13 Pareth-5 Carboxylate
C12-13 Pareth-15	C12-15 Pareth-9 Phosphate	Sodium C12-13 Pareth-8 Carboxylate

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Sodium C12-13 Pareth-12 Carboxylate
Sodium C12-15 Pareth-6 Carboxylate
Sodium C12-15 Pareth-7 Carboxylate
Sodium C12-15 Pareth-8 Carboxylate
Sodium C12-15 Pareth-12 Carboxylate
Sodium C14-15 Pareth-8 Carboxylate
Sodium C12-14 Sec-Pareth-8 Carboxylate
Sodium C14-15 Pareth-PG Sulfonate
Sodium C12-13 Pareth-2 Phosphate

Sodium C13-15 Pareth-8 Phosphate
Sodium C9-15 Pareth-3 Sulfate
Sodium C10-15 Pareth Sulfate
Sodium C10-16 Pareth-2 Sulfate
Sodium C12-13 Pareth Sulfate
Sodium C12-14 Pareth-3 Sulfate
Sodium C12-15 Pareth Sulfate
Sodium C12-15 Pareth-3 Sulfate
Sodium C13-15 Pareth-3 Sulfate

Sodium C12-14 Sec-Pareth-3 Sulfate
Sodium C12-15 Pareth-3 Sulfonate
Sodium C12-15 Pareth-7 Sulfonate
Sodium C12-15 Pareth-15 Sulfonate
Sodium/TEA C12-13 Pareth-3 Sulfate
TEA-C11-15 Pareth Sulfate
TEA-C12-13 Pareth-3 Sulfate
Tri-C12-15 Pareth-2 Phosphate
Tri-C12-15 Pareth-6 Phosphate
Tri-C12-15 Pareth-8 Phosphate
Tri-C12-15 Pareth-10 Phosphate