

Attachment Number: 023

Attachment Name:

Identity of Chemical Substances

Associated SNUN Section Number(s):

Part I, Section B, 1.b; 1.d; 1.e; 4; and 5

Inhance Technologies, LLC (also referred to as “Inhance” or “the Company” herein) submits two consolidated SNUN applications. There are nine long-chain perfluoroalkyl carboxylates (LCPFACs) listed in the SNUR at 40 CFR §721.10536 that are relevant to the two consolidated SNUNs. The first SNUN includes Species 1-5, and the second SNUN includes Species 6-9.

The following is the identify information of the 9 species. While the CDX portal required us to select "Method 1" a a response to Part I, Section B.1.c, the identities were obtained via "Method 2." The identification came from analytical reports from Pace Analytical Services, LLC and Eurofins Lancaster Laboratories Environment Testing, LLC. See Attachments 4-8 for the laboratory analytical reports.

The LCPFACs are unintentionally formed as part of the fluorination process as impurities and are not independently sold and marketed. Accordingly, the LCPFACs do not have trade names.

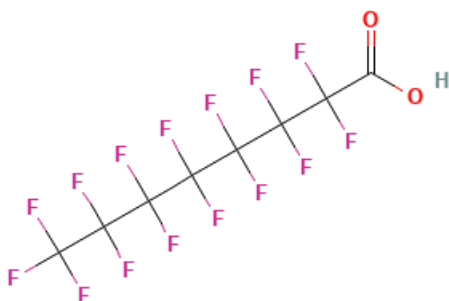
FIRST CONSOLIDATED SNUN:

Species 1:

Name: Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-

Synonyms: Perfluorooctanoic acid; PFOA

CAS number: 335-67-1



Species 2:

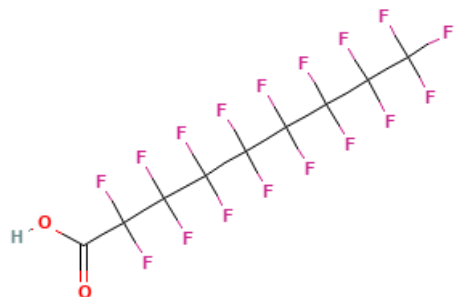
Name: Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hepta-decafluoro-

Synonyms: Perfluorononanoic acid; PFNA

CAS number: 375-95-1

Molecular formula: C₉HF₁₇O₂

Chemical structure diagram:



Species 3:

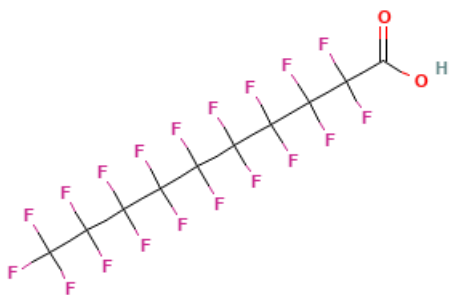
Name: Decanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 10-nonadecafluoro-

Synonyms: Perfluorodecanoic acid; PFDA

CAS number: 335-76-2

Molecular formula: C₁₀HF₁₉O₂

Chemical structure diagram:



Species 4:

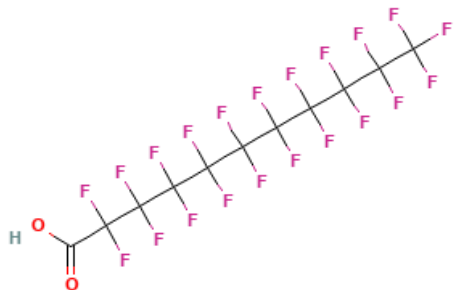
Name: Undecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,11-heneicosafuoro-

Synonyms: Perfluoroundecanoic acid; PFuDA

CAS number: 2058-94-8

Molecular formula: C₁₁HF₂₁O₂

Chemical structure diagram:



Species 5:

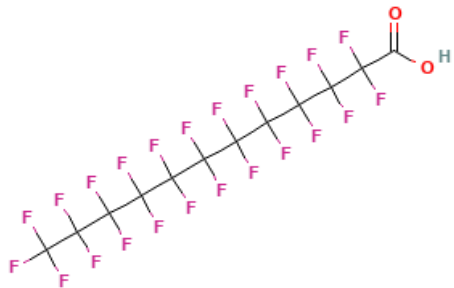
Name: Dodecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12,12,12-tricosafuoro-

Synonyms: Perfluorododecanoic acid; PFDoA

CAS number: 307-55-1

Molecular formula: C₁₂HF₂₃O₂

Chemical structure diagram:



SECOND CONSOLIDATED SNUN

Species 6:

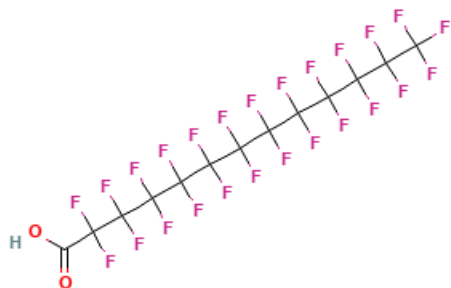
Name: Tridecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12,12,13,13,13-pentacosafuoro-

Synonyms: Perfluorotridecanoic acid; PFtrDA

CAS Number: 72629-94-8

Molecular formula: C₁₃HF₂₅O₂

Chemical structure diagram:



Species 7:

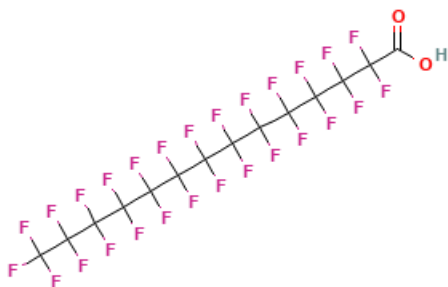
Name: Tetradecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12,12,13,13,14,14,14-heptacosafuoro-

Synonyms: Perfluorotetradecanoic acid; PFteDA

CAS number: 376-06-7

Molecular formula: C₁₄HF₂₇O₂

Chemical structure diagram:



Species 8:

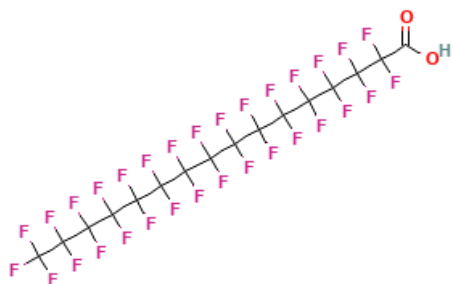
Name: Hexadecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-hentriacontafluoro-

Synonyms: Perfluorohexadecanoic acid; PDHxDA

CAS Number: 67905-19-5

Molecular formula: C₁₆H₃₁O₂

Chemical structure diagram:



Species 9:

Name: Octadecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-pentatriacontafluoro-

Synonyms: Perfluorostearic acid; PFODA

CAS Number: 16517-11-6

Molecular formula: C₁₈H₃₅O₂

Chemical structure diagram:

