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2018/5/30

التاريخ :

سعادة رئيس مجلس الإدارة / المدير العام المحترم

تحية طيبة وبعد ،،،

ارفق لكم طيا المواد الكيميائية المنبثقة عن لجنة استعراض الملوثات العضوية الثابتة في وزارة البيئة والتي يجري العمل حاليا لادراجها ضمن اتفاقية استكهولم (المحظورة والمقيدة).
بناء على ما تقدم ، ارجو الاليعاز لمن يلزم بتعبئة الاستبيان المرفق واعادة ارساله بالسرعة القصوى على فاكس رقم 06/4643719 او عبر البريد الالكتروني salameh@jci.org.jo ، وذلك ليتم الاجراء الازم قبل ادراجها ضمن اتفاقية استكهولم (المحظورة والمقيدة).

وتفضلوا بقبول فائق الاحترام ،،،

رئيس مجلس الإدارة

المهندس فارس حموده



جمعية صناعة الأردن
Jordan Chemical Industry Association

دراسة بعض المواد الكيميائية لإدراجها ضمن اتفاقية استكهولم

يرجى التكرم بتعبئة النموذج ادناه والذي يمثل دراسة استخدام ثلاثة مركبات كيميائية في القطاع الصناعي ليتم اتخاذ

الاجراء اللازم قبل العمل على إدراجها ضمن اتفاقية استكهولم (المحظورة والمقيدة) .

اسم المنشأة الصناعية :

اسم الشخص المعني :

رقم الهاتف الخليوي :

| لا يتم استخدامه | نعم يتم استخدامه | اسم المركب الكيميائي |
|-----------------|------------------|---|
| | | Pentadecafluorooctanoic acid (PFOA) - |
| | | Perfluorohexane-1-sulfonic acid (PFHxS) - |
| | | Dicofol - |

*** للتكرم بإرسال النموذج على فاكس غرفة صناعة الاردن رقم 064643719 أو عبر البريد الالكتروني Salameh@jci.org.jo



Candidate POPs

Pentadecafluorooctanoic acid (PFOA, perfluorooctanoic acid), its salts and PFOA-related compounds

CAS No: 335-67-1

HS Code: 29159090

Full Name: Pentadecafluorooctanoic acid (PFOA)

Synonyms:

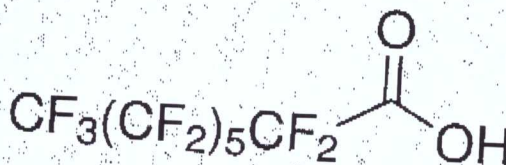
Perfluorooctanoic acid; PFOA; pentadecafluoro-1-octanoic acid; perfluorocaprylic acid; perfluoro-n-octanoic acid; pentadecafluoro-n-octanoic acid; pentadecafluorooctanoic acid; n-perfluorooctanoic acid; 1-octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro

Uses:

PFOA, its salts and PFOA-related compounds are used widely in the production of fluoroelastomers and fluoropolymers, for the production of non-stick kitchen ware, food processing equipment. PFOA-related compounds, including side-chain fluorinated polymers, are used as surfactants and surface treatment agents in textiles, paper and paints, firefighting foams. PFOA has been detected in industrial waste, stain resistant carpets, carpet cleaning liquids, house dust, microwave popcorn bags, water, food, and Teflon. Unintentional formation of PFOA is created from inadequate incineration of fluoropolymers from municipal solid waste incineration with inappropriate incineration or open burning facilities at moderate temperatures.

Hazards and Risks to human health and the environment:

PFOA is identified as a substance of very high concern with a persistent, bioaccumulative and toxic structure for the environment and living organisms. PFOA-related compounds are released into the air, water, soil and solid waste, and degrade to PFOA in the environment and in organisms. Major health issues such as kidney cancer, testicular cancer, thyroid disease, pregnancy-induced hypertension, high cholesterol have been linked to PFOA.



Reference

1. Risk management evaluation on pentadecafluorooctanoic acid (PFOA, perfluorooctanoic acid), its salts and PFOA-related compounds. Persistent Organic Pollutants Review Committee. 2017; UNEP/POPs/POPRC.13/7/Add.2
2. Toxipedia: PFOA, 2010. (<http://www.toxipedia.org/display/toxipedia/Teflon+-Sticky+When+It+Comes+to+Health?src=search>)
3. Green Facts. 2017. Hazards and risk associated to Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances. (<https://www.greenfacts.org/en/pfoa-cookware-water-proofing/index.htm>)
4. European Chemicals Agency. ECHA; MEMBER STATE COMMITTEE SUPPORT DOCUMENT FOR IDENTIFICATION OF PENTADECAFLUOROCTANOIC ACID (PFOA)/PFOA. 2013.





Candidate POPs

Perfluorohexane sulfonic acid (PFHxS)
its salts and PFHxS-related compounds

CAS No: 355-46-4

HS Code: 38220090

Full Name: Perfluorohexane-1-sulfonic acid (PFHxS)

Trade Name: RM70 (CAS No. 423-50-7), RM7S (3871-99-6),
and RM570 (CAS No. 41997-13-1) (PFHxS-related substances
produced by Miteni SpA, Italy)

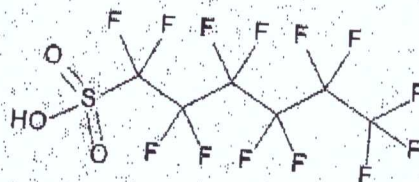
Synonyms: PFHxS; PFHS

Tridecafluorohexane-1-sulfonic acid, Tridecafluorohexane-1-
sulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluorohexane-1-
sulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluoro-1-
hexanesulfonic acid

Uses:

PFHxS, its salts and related substances have unique properties
with a high resistance to friction, heat, chemical agents, low
surface energy and used as water, grease, oil and soil
repellent. It is widely utilized in a variety of consumer goods
such as carpets, leather, apparel, textiles, firefighting foam,
papermaking, printing inks, sealants, non-stick cookware.

Hazards and Risks to human health and the environment:
PFHxS are very resistant to chemical, thermal and biological
degradation due to their strong carbon-fluorine bonds and a
resistance to degradation which makes it persist in the
environment. PFHxS concentrations are found in biota and
human alike and its elimination takes approximately 8 years.
Effects of PFHxS in humans are found to influence on the
nervous system, brain development, endocrine system and
thyroid hormone.



Reference

1. Proposal to list perfluorohexane sulfonic acid (CAS No: 355-46-4, PFHxS), its salts and PFHxS-related compounds in Annexes A, B and/or C to the Stockholm Convention on Persistent Organic Pollutants. UNEP/POPs/POPRC.13/4, 2017
2. Open Chemistry Database. Perfluorohexanesulfonic Acid: 2005. (https://pubchem.ncbi.nlm.nih.gov/compound/Perfluorohexanesulfonic_acid#section=Top)



STOCKHOLM CONVENTION

UN 
environment

Dicofol

Candidate POPS



CAS No. 115-32-2

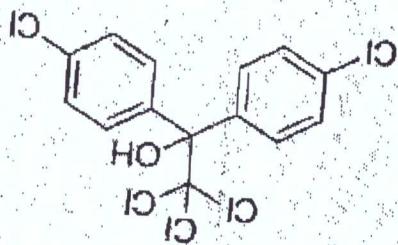
HS Code: 290629910

Full Name: Dicofol

Trade Name: 1,1-bis(chlorophenyl)-2,2-trichloroethanol; 4-chloro- α -(4-chlorophenyl)- α -(trichloroethyl)-; Acarin; AK-20; HC free; Benzenemethane; Dicomite; Difol; DTMC; ENT 23648; Dicaron; Dichlorokelthane; Dicomite; Kelthane; Kelthane 35; Kelthane A; Kelthane (DOT); Kelthane Dust Base; Kelthane 35; Milbol; Midgan; p,p'-dicofol; NAZ761 (DOT); NCI-C00486

Synonyms: 1,1-bis(4-chlorophenyl)-2,2-trichloroethanol and 1-(2-chlorophenyl)-1-(4-chlorophenyl)-2,2-trichloroethanol (p,p'- and o,p'-isomer)

Uses: Dicofol is an organochlorine miticidal pesticide that has been used in agriculture to control mites on a variety of field crops, fruits, vegetables, ornamentals, cotton, tea.



Reference

1. Risk profile on dicofol. Persistent Organic Pollutants Review Committee. 2017. UNEP/OES/POPRC.13/7/Add.1
2. Extonnet Dicofol. 1999. (<http://pmp.cce.cornell.edu/profiles/excognet/carbaryl-dicofol-ext.html>)
3. ChemService. Pesticides. What is dicofol? 2005. (<https://www.chemservice.com/news/2015/04/what-is-dicofol/>)

Hazards and Risks to human health and the environment: Similar to DDT, dicofol is a toxic concentrated formulation found in the environment and humans with a long persistent and bioaccumulative property. Prolonged or repeated exposure to dicofol can cause skin irritation, hypersimulation of nerve transmissions along nerve axons. Dicofol is highly toxic in fish, aquatic invertebrates, algae and in birds is tied to eggshell thinning and reduced fertility.