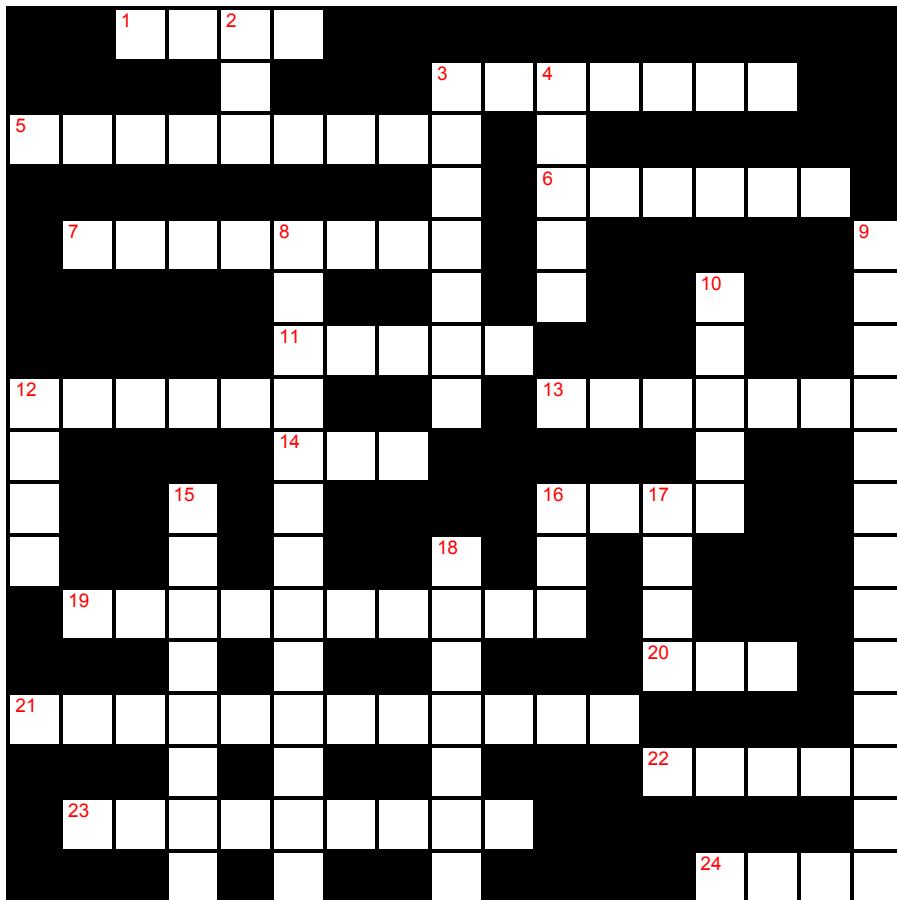


Plastics_Industry_17x17_2008-10-18
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Across

1 High Density Polyethylene, used to make bottles for milk, juice, water and laundry products. (4)

3 Naturally occurring or synthetic; consisting of large molecules made up of a linked series of

repeated simple monomers. (7)

5 'M' in 'MSW' stands for ____ (9)

6 A class of super-toxic chemicals, formed as a by-product of the manufacture, moulding, or burning of organic chemicals and plastics that

contain chlorine. (6)

7 PRF stands for _____ Recovery Facility. (8)

11 Any of a class of solid or semisolid viscous substances obtained either as exudations from certain plants or prepared by

polymerization of simple molecules. (5)

12 A rigid container that is designed with a neck that is narrower than the body, normally used to hold liquids and emptied by pouring. (6)

13 'D' in 'HDPE' stands for _____. (7)

14 This plastic is mostly used to package mineral water. (3)

16 'L' in 'LCA' stands for _____. (4)

19 An intermediate used in the production of epoxy, polycarbonate and phenolic resins. (9-1)

20 Solid garbage generated from residential, commercial, institutional and industrial sources. (3)

21 Consumer products with a useful life of three years or more. (7,5)

22 'C' in 'LCA' stands for _____. (5)

23 Chemicals added into plastic formulations before or during processing in order to modify the behaviour of plastics. (9)

24 A plastic used mainly for plastic retail bags and garment dry cleaning and grocery bags. Also used in

cable applications for its stable electrical properties. (4)

Down

2 A polymer of vinyl chloride used instead of rubber in electric cables. (3)

3 Generic name for certain synthetic or semisynthetic materials that can be moulded or extruded into objects or films or filaments or used for making e.g. coatings and adhesives. (7)

4 A plastic that is used in items such as grocery bags, garbage bags and landfill liners. (5)

8 PET stands for Polyethylene _____. (13)

9 It (PP) has excellent chemical resistance, is strong and has the lowest density of the plastics used in packaging. (13)

10 'W' in 'MSW' stands for _____. (5)

12 A large compressed bundle bound for storage or transport. (4)

15 The components of Municipal Solid Waste (MSW) remaining after recovery for recycling and composting.

Anything that is cast aside or discarded. (8)

16 An assessment that includes the study of the entire life cycle of the product, process, extraction and processing of raw materials, manufacturing, transportation and distribution, use/reuse/maintenance, recycling and final disposal. (3)

17 A thin sheet of (usually plastic and usually transparent) material used to wrap or cover things. (4)

18 A simple compound whose molecules can join together to form polymers. (7)