ISSBIOC database on carcinogenicity and mutagenicity of biocides and plant protection products (or pesticides).

Definition of the fields in files *ISSBIOC_vvv_nnn_dddddd.xls* and *ISSBIOC_vvv_nnn_dddddd.sdf*

Substance ID: Identification Code;

ChemName: Chemical Name;

CAS: Registry Number of the Chemical Abstract Service of the chemical;

Structure: Chemical Structure;

Reference: Source of carcinogenicity data:
AcToR (Aggregated Computational Toxicology Resource, http://actor.epa.gov/actor/faces/ACToRHome.jsp);
Circa (Communication and Information Resource Centre for Administrations, http://circa.europa.eu/Public/irc/env/bio_reports/library?l=/review_programme/ca_reports&vm=detailed&sb=Title), Product Type number and year are also provided;
CPDB (Carcinogenic Potency Database, http://potency.berkeley.edu/cpdb.html);
FAN Pesticide Project (Fluoride Action Network, http://www.fluoridealert.org/researchers/pesticide/);
IARC database (International Agency for Research on Cancer, http://www.iarc.fr/en/publications/pdfs-online/index.php);
ISSCAN_v4a (long-term carcinogenicity on rodents database, http://www.iss.it/ampp/dati/cont.php?id=233&lang=1&tipo=7);
NTP (National Toxicology Program, http://ntp.niehs.nih.gov/), the Technical Report number is also provided;
Toxnet (database CCRIS from the cluster of toxicological databases Toxnet, http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CCRIS).

FW: Molecular Weight;

Formula: Chemical Formula;

SMILES: Simplified chemical notation that represents a chemical structure as a linear textual string. It is aimed at computer applications (for more information, see http://www.daylight.com/smiles/f_smiles.html) ;

Rat_Male_Canc; **Rat_Female_Canc**; **Mouse_Male_Canc**; **Mouse_Female_Canc**:
Carcinogenicity results in the four experimental groups most commonly used for the cancer bioassay: 3 = carcinogen; 2 = equivocal; 1 = noncarcinogen; ND = No Data.

Overall_Canc: Summary carcinogenicity data: 3 = carcinogen; 2 = equivocal; 1 = noncarcinogen. Code 3 is given to chemicals carcinogenic in at least one experimental group; Code 2 is given to chemicals with equivocal results in at least one experimental group, together with negative results in the other experimental groups;

Overall_STY: Overall mutagenicity *in vitro* in *Salmonella typhimurium* (Ames test) from the ISSSTY_v1a database); ND = No Data.

Product-Type: Biocidal product-type (PT) according the Biocides Directive 98/8/EC;
PT can vary from 1 to 23, characterizing the purpose(s) for which the product is to be used.

Use type: The specific type of use for the chemical, *e.g.* for pesticides according to the type of pest they control (insecticide, herbicide, fungicide, acaricide etc). This field is not reported for substances with a defined PT.

Inclusion Directive: European directive for inclusion of substances in Annex I or IA of Directive 98/8/EC, concerning the placing of biocidal products on the market.