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# User safety assessment of feed additives

**Paul G Brantom**

FEEDAP Working Group on Toxicology

Trusted science for safe food

## Objective

To find a pragmatic approach to the assessment of user safety

- which fulfils the needs of the risk managers
- which keeps the requirements for applicants and industry proportionate

# Who are the users?

Users are defined as the persons who may be exposed to the additive while handling it, when incorporating it into premixtures or feedingstuffs or using a feedingstuff supplemented with the additive.



## Two categories of additive

### Holder Specific products

*single authorised final formulation and product consistency.*

- Presumption of risk from identified hazards
- Rarely perform exposure assessment (needs specification of who is to be protected)

### Generic products

*no specific authorised formulation, apart from the active principle.*

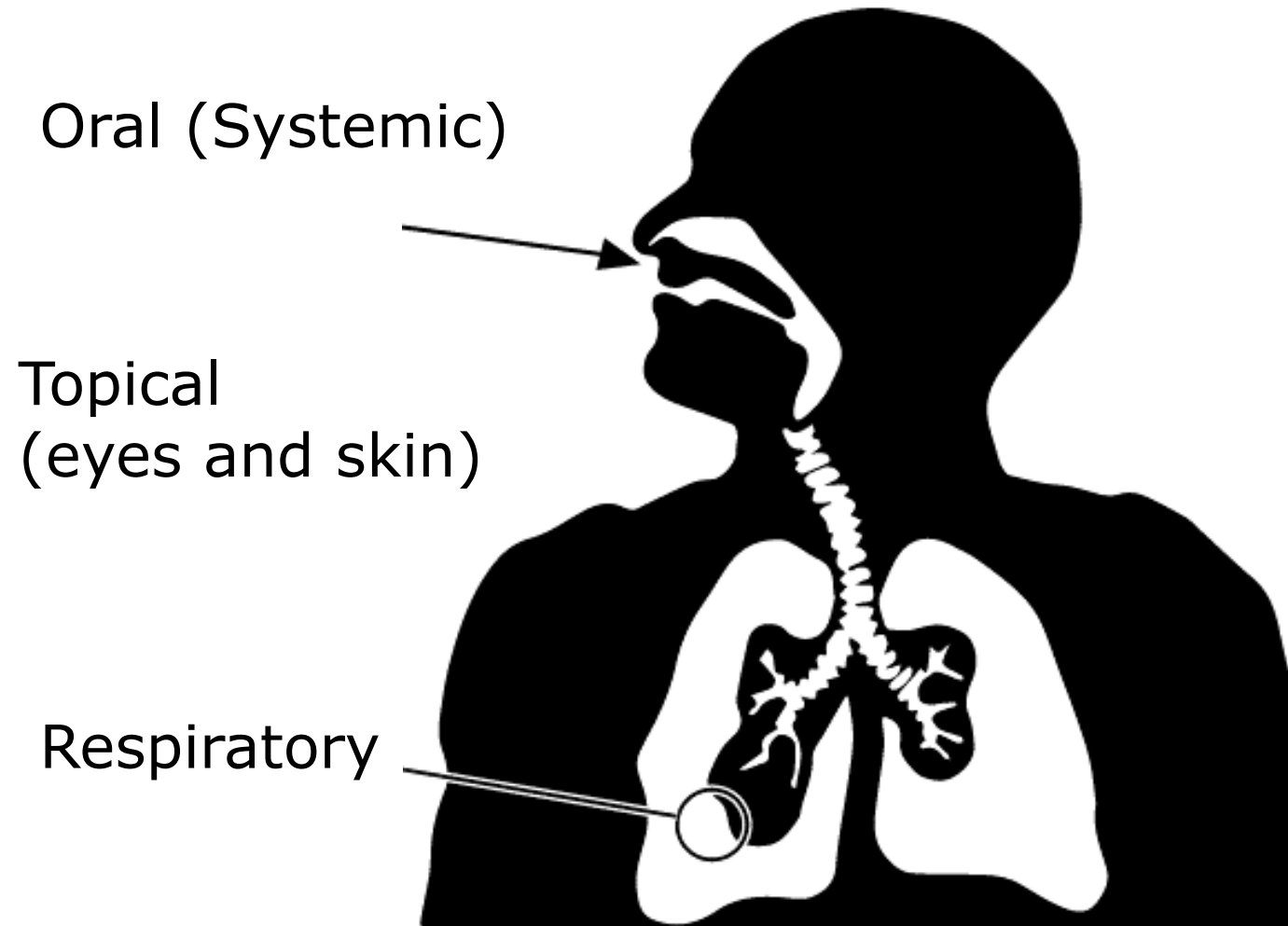
- Reluctance to provide data
- Data, if available do not cover all potential forms of the additive

## Nanomaterials

- Specific requirements for a risk assessment if there may be exposure of users

## Relevance of REACH

- Alignment with CLP which includes the identification and characterisation of hazards for each chemical entity.
- Harmonisation of guidance?
- Principle of “One substance one assessment”



## Step 1 - Hazard identification and characterisation

- Effects on:
  - Respiratory system (inhalation toxicity; sensitization)
  - Eye/skin (irritation , sensitization, phototoxicity)
- Systemic toxicity (all routes and endpoints)
- Pathogenicity and/or Endotoxin production or content

## Step 1 - Hazard identification and characterisation

- Sources of information:
  - Existing assessments:
    - CLP classification
    - ECHA assessment by REACH (RAC opinions) or any other EU scientific body
    - Occupational limits; when available
  - Prior knowledge:
    - Studies available elsewhere but not assessed by an EU body
    - Case study reports or manufacturing plant experience
    - Where relevant QSAR and read-across to assess whether further studies are needed
    - Experimental data with the active substance(s)/agents/additive

**Note:** wherever data are cited attention should be given to ownership and access to the original studies



## Step 2 – Exposure assessment

- No exposure assessment is necessary when:
  - no hazards have been identified in Step 1
  - an irritancy or sensitization hazard exists
  - there are occupational exposure limits
  - the physico-chemical properties exclude the possibility of exposure

## Step 2 – Exposure assessment

- Where there is evidence of systemic toxicity:
  - Exposure calculation for all routes on a case-by-case basis
    - Holder specific – based on all forms of final additive
    - Non-holder-specific – based on worst-case scenario (maximum exposure to active substance)

***Question – for which scenarios should an assessment model be developed?***