EPA AND USDA · TRAINING GUIDE

Pesticide Acute Toxicity Report

Report the acute toxicity six-pack for a pesticide product: the toxicity category of each study by 40 CFR 156.62, the signal word for the label, and the PR Notice 86-5 confidentiality, GLP and QA statements.

WRITES	PRODUCT TYPE	GUIDANCE IT FOLLOWS	TIME TO LEARN
`OCSPP 870` `PRN 86-5`	EPA and USDA	40 CFR 158.500 (toxicology data requirements); OCSPP 870.1100, 870.1200, 870.1300, 870.2400, 870.2500, 870.2600; 40 CFR 156.62 and 156.64 (toxicity categories and signal words); 40 CFR 160 (GLP); PR Notice 86-5 (standard format for data submitted under FIFRA); EPA Label Review Manual chapter 7	About 20 minutes with the example

Open the tool at https://app.cmcfy.com/app/pesticide-acute-toxicity.html. This guide is also online at https://cmcfy.com/guides/pesticide-acute-toxicity.html

1. What this module does

You enter the six acute studies with their results, GLP status and any exceptions, the data confidentiality claim and the sensitisation result.

The tool places each result in a toxicity category, takes the most severe for the product, gives the signal word and POISON statement, and flags missing studies, results it cannot categorise and reports without a GLP statement.

What you get

- A Word or PDF file: acute toxicity summary with the toxicity category and signal word.

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2. Before you start

Have these ready. You can still start with the example data and replace it piece by piece.

- The six final study reports (OCSPP 870.1100, 1200, 1300, 2400, 2500, 2600).
- GLP compliance and QA statements.

> **Your data stays on your computer.** The bar under the title counts every network request the page makes; it stays at 0 because your data never leaves your computer. `Download offline copy` saves a single file that opens from your own computer with all network access blocked, for air-gapped PCs.

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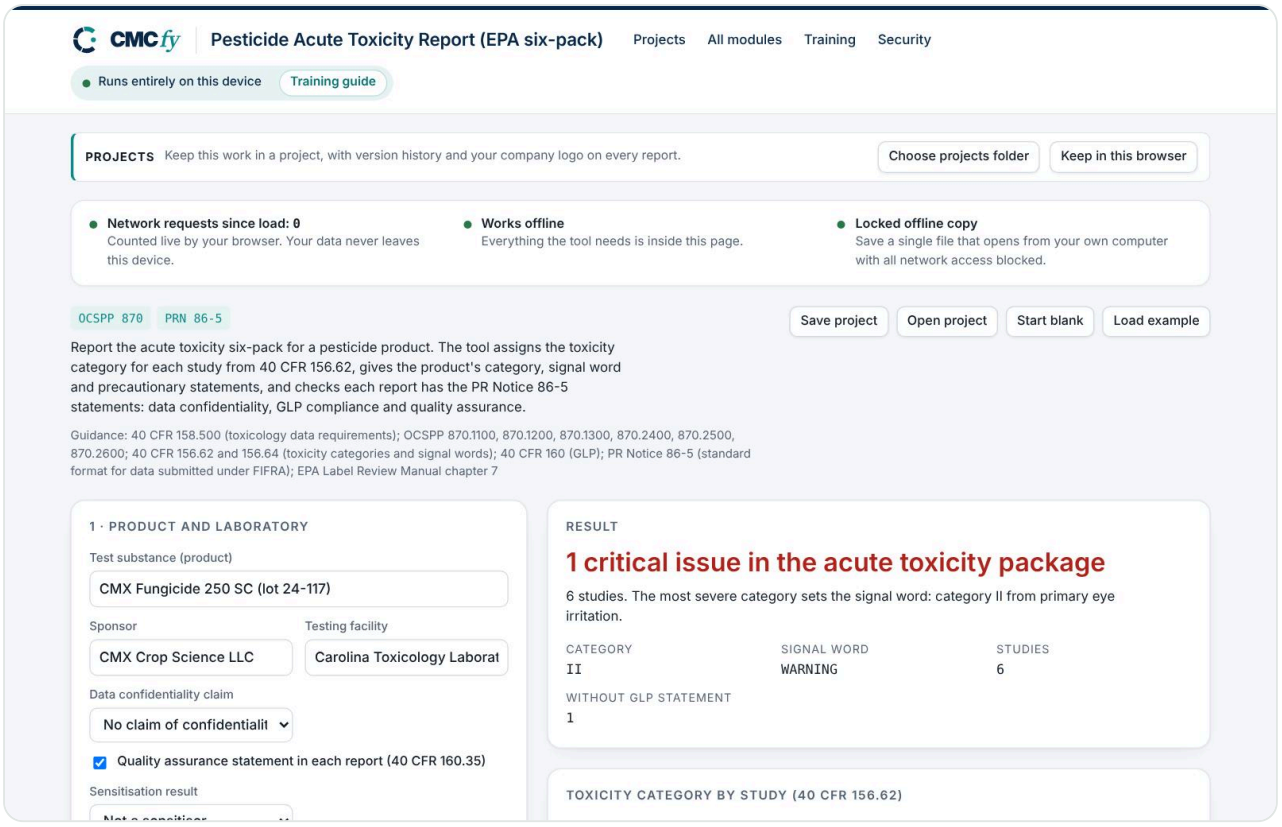
3. Step by step with the example

Open the tool at app.cmcfy.com/app/pesticide-acute-toxicity.html. The example is loaded when the page opens, so every panel already has realistic data. Follow the steps to see how it works, then replace the example with your own data.

1 Describe the test substance

Give the product, sponsor and testing facility, and choose the data confidentiality claim.

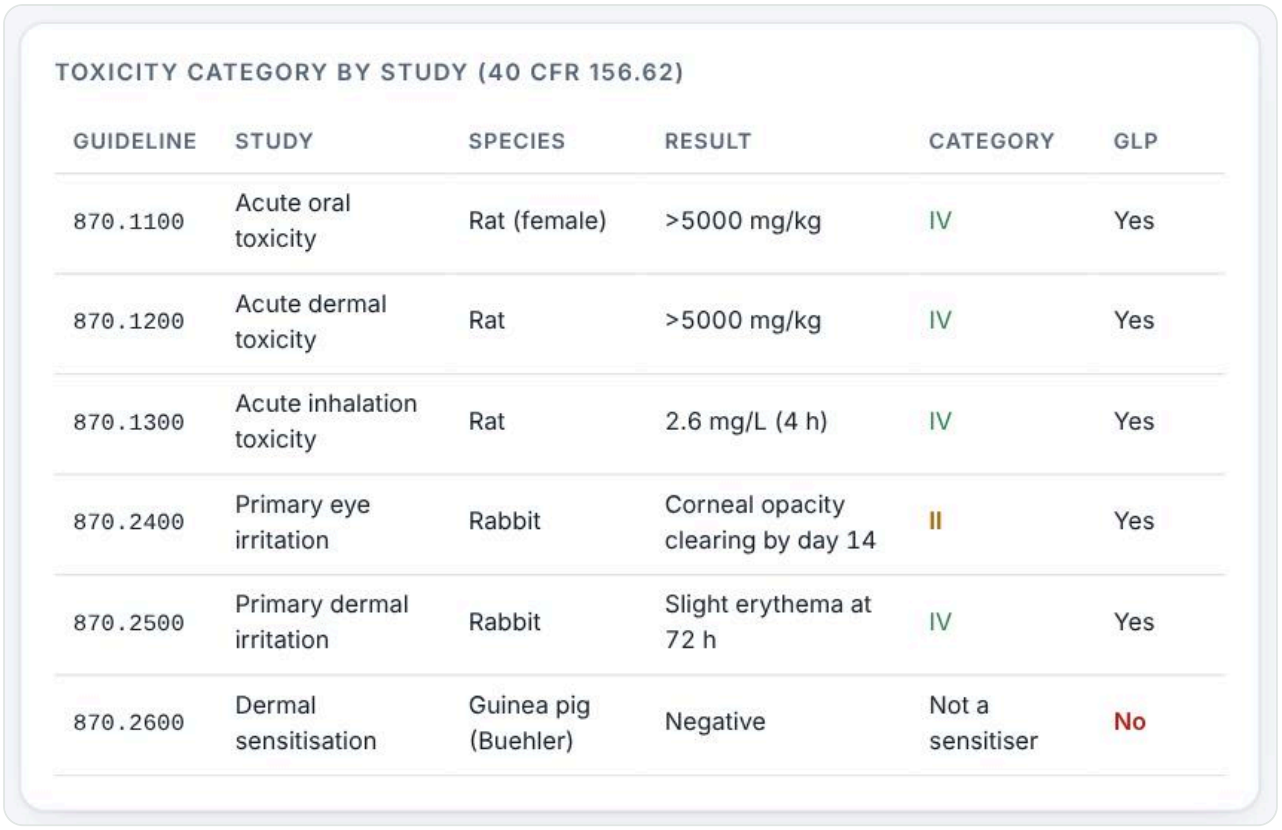


2 Enter the studies

LD50 or LC50 with ">" for a limit test; describe eye and skin findings in words, for example "clearing by day 14" or "slight erythema at 72 h".

3 Read the result

The headline gives the category and signal word, for example "Toxicity category II · signal word WARNING".



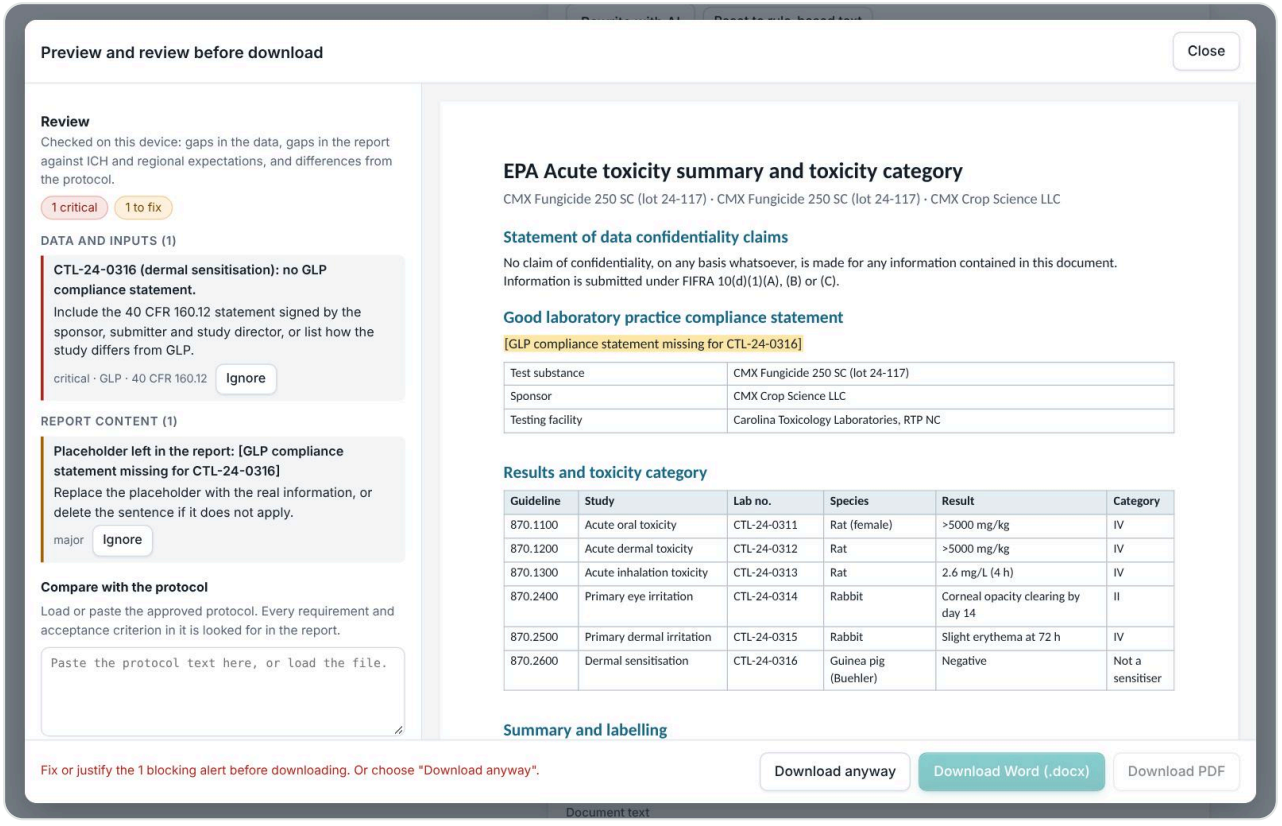
TOXICITY CATEGORY BY STUDY (40 CFR 156.62)

GUIDELINE	STUDY	SPECIES	RESULT	CATEGORY	GLP
870.1100	Acute oral toxicity	Rat (female)	>5000 mg/kg	IV	Yes
870.1200	Acute dermal toxicity	Rat	>5000 mg/kg	IV	Yes
870.1300	Acute inhalation toxicity	Rat	2.6 mg/L (4 h)	IV	Yes
870.2400	Primary eye irritation	Rabbit	Corneal opacity clearing by day 14	II	Yes
870.2500	Primary dermal irritation	Rabbit	Slight erythema at 72 h	IV	Yes
870.2600	Dermal sensitisation	Guinea pig (Buehler)	Negative	Not a sensitiser	No

Toxicity category by study.

4 Resolve alerts and download

A missing study or a report without a GLP statement is critical. Then preview and download.



4. Field reference

Every input in the tool, panel by panel. Tables accept rows pasted straight from Excel, comma-separated text, or a loaded file; check the columns after loading a file. Fields marked “when it applies” appear only for the choices that need them.

1 · Product and laboratory

FIELD	WHAT TO ENTER
Test substance (product)	Type it in.
Sponsor	Type it in.
Testing facility	Type it in.
Data confidentiality claim	Choose one: No claim of confidentiality (FIFRA 10(d)(1)(A), (B) or (C)); Claim of confidentiality under FIFRA 10(d)(1)(A), (B) or (C).
Quality assurance statement in each report (40 CFR 160.35)	Tick the box if it applies.
Sensitisation result	Choose one: Not a sensitiser; Sensitiser.

2 · Studies

One row per study. Result: LD50 or LC50 with "> " for a limit test, or the irritation finding in words.

FIELD	WHAT TO ENTER
Acute studies	Guideline numbers set the study type: 870.1100 oral, 1200 dermal, 1300 inhalation, 2400 eye, 2500 skin, 2600 sensitisation. A table. Columns: OCSPP guideline | Laboratory study no. | Species | Result | GLP (yes/no) | GLP exceptions. Paste rows from Excel, type comma-separated rows, or press `Load file` (Excel, CSV, Word, PDF or a scan).

5. Checks and alerts

Calculations and pass/fail outcomes always come from fixed rules, never from AI. The tool checks:

- Toxicity category for each study.

- Signal word and POISON statement.
- Confidentiality, GLP and QA statements.

How to resolve alerts

- **Critical** alerts block the download and must be fixed in the data. A failing result can instead be linked to an investigation: type the investigation reference and outcome and press `Record`.
- **Major** alerts block the download until you fix them or type a justification and press `Accept justification`.
- **Minor** alerts do not block anything. They are listed in the documents so the reviewer sees them.
- Some alerts have an `Apply fix` button that makes the change for you. `Reopen` undoes a justification.

Narratives

This module writes: Summary and labelling. Each narrative is written by fixed rules from your data. You can edit it in the box. `Rewrite with AI` (where your plan includes AI) rewrites it in regulatory style; every number in the text is checked against your data, and a number that does not match is flagged under the box and blocks the download until you correct it. `Reset to rule-based text` brings back the original.

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6. Preview, gap review and download

1. Press `Preview` next to a section, or `Preview and download all`. The document opens in a preview window, exactly as the Word file will read.
2. The left side lists the review, run on your device: **gaps in the data** (missing values, open alerts), **gaps in the report** (missing content the guidance expects, placeholders such as [site] or TBD left in the text) and, if you load the approved protocol under `Compare with the protocol`, **differences from the protocol** (requirements, criteria, batches or time points it plans that the report does not show).
3. Click a finding to jump to the place in the preview. Fix it in the tool, then preview again.
4. Optional `AI review`: a second read for contradictions, claims without data and vague wording. The report text is sent to Claude only when you press it, and only where your plan includes AI. Check every AI finding; AI can be wrong.
5. Press `Download Word (.docx)` or `Download PDF`. With several documents open, `All as Word (.zip)` and `All as PDF (.zip)` download the set. The download buttons stay disabled while a blocking alert is open; the preview still works.

Documents this module produces

SECTION	DOCUMENT
EPA	Acute toxicity summary and toxicity category

Use `Save project` to keep your work as a file on your computer, and `Open project` to continue later. `Start blank` clears every field; `Load example` brings the example back. Nothing is stored on CMCfy servers.

7. US and EU submissions

US only: 40 CFR 156.62 categories. Other systems such as GHS use different cut-offs.

8. Working with other modules

- The studies go in the data matrix of the Pesticide Registration Package package.

9. Common pitfalls

- Treating a limit test (>5000 mg/kg) as an exact LD50.
- Leaving out the GLP statement for a non-GLP study instead of stating how it differs.

10. Practice exercises

Each exercise starts from the example (press `Load example` to reset). We run these on every update of this guide, so the result you see should match.

1. **Add the GLP statement for the sensitisation study**

   Mark CTL-24-0316 as GLP.

   EXPECTED RESULT

   Category II, WARNING, with no critical issue.

Guide updated 28 October 2026 for the current version of the tool. CMCfy drafts are for review by a qualified person before use in a submission.