Ruleis

SDS audit report

Supplier	File	Uploaded	Report generated (UTC)
Example Supplier A	under-declared.pdf	2026-10-06 21:44	2026-10-06 16:46

Verdict

DISCREPANCY FOUND

A supplier declaration is contradicted by the calculation.

- 2 supplier declaration(s) contradicted by the calculation.

- 6 endpoint(s) cannot be determined from the inputs.

Composition (Section 3)

Ingredient	CAS number	Concentration	Registry
Formic acid	64-18-6	20 to 35 % w/w	in registry
Water	7732-18-5	65 to 80 % w/w	not in registry

Results per endpoint

Endpoint	State	Classification	Notes	Citation
ate_inhalation_dust_mist	**CANNOT BE DETERMINED**	None	Cannot be determined. Not a negative result. Missing: ate_inhalation_dust_mist:64-18-6 Unknown acute toxicity: 35.0 % of the mixture. 35 % of the mixture consists of ingredients of unknown acute toxicity; no definitive acute toxicity estimate can be attributed (CLP Annex I 3.1.3.6.2.2). Classified on the known ingredients only. The corrected additivity formula of 3.1.3.6.2.3 was applied; its equation has not been verified against the Regulation text.	GHS Rev 7 Section 3.1; OSHA HCS 2024 Appendix A; CLP Annex I 3.1
ate_inhalation_vapour	**EVALUATED, NO CUT-OFF CROSSED**	None	Every input present; no cut-off crossed. ATE 64-18-6 = 7.4 (ANNEX_VI_HARMONISED)	GHS Rev 7 Section 3.1; OSHA HCS 2024 Appendix A; CLP Annex I 3.1
ate_inhalation_gas	**CANNOT BE DETERMINED**	None	Cannot be determined. Not a negative result. Missing: ate_inhalation_gas:64-18-6 Unknown acute toxicity: 35.0 % of the mixture. 35 % of the mixture consists of ingredients of unknown acute toxicity; no definitive acute toxicity estimate can be attributed (CLP Annex I 3.1.3.6.2.2). Classified on the known ingredients only. The corrected additivity formula of 3.1.3.6.2.3 was applied; its equation has not been verified against the Regulation text.	GHS Rev 7 Section 3.1; OSHA HCS 2024 Appendix A; CLP Annex I 3.1

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Endpoint	State	Classification	Notes	Citation
ate_dermal	**CANNOT BE DETERMINED**	None	Cannot be determined. Not a negative result. Missing: ate_dermal:64-18-6 Unknown acute toxicity: 35.0 % of the mixture. 35 % of the mixture consists of ingredients of unknown acute toxicity; no definitive acute toxicity estimate can be attributed (CLP Annex I 3.1.3.6.2.2). Classified on the known ingredients only. The corrected additivity formula of 3.1.3.6.2.3 was applied; its equation has not been verified against the Regulation text.	GHS Rev 7 Section 3.1; OSHA HCS 2024 Appendix A; CLP Annex I 3.1
ate_oral	**CLASSIFIED**	Category 4	ATE 64-18-6 = 500.0 (ANNEX_VI_HARMONISED)	GHS Rev 7 Section 3.1; OSHA HCS 2024 Appendix A; CLP Annex I 3.1
skin_corrosion	**CLASSIFIED**	Skin Corr. 1		CLP Article 10 / Annex VI Specific Concentration Limit
eye_damage	**CLASSIFIED**	Eye Dam. 1		CLP Article 10 / Annex VI Specific Concentration Limit
aquatic_chronic	**CANNOT BE DETERMINED**	None	Cannot be determined. Not a negative result. Missing: aquatic_chronic_classification:64-18-6, aquatic_chronic_classification:7732-18-5	CLP Annex I 4.1.3.5.5, Tables 4.1.1-4.1.3; GHS Rev 7 Annex I 4.1.3.5.5
aquatic_acute	**CANNOT BE DETERMINED**	None	Cannot be determined. Not a negative result. Missing: aquatic_acute_classification:64-18-6, aquatic_acute_classification:7732-18-5	CLP Annex I 4.1.3.5.5, Tables 4.1.1-4.1.3; GHS Rev 7 Annex I 4.1.3.5.5
ph_override	**CANNOT BE DETERMINED**	None	Cannot be determined. Not a negative result. Missing: measured_ph	CLP Annex I 3.2.2.2.5 / 3.3.2.2.4; OSHA HCS 2024 Appendix A.3

Discrepancies

Contradicted (2)

Supplier declared	Ruleis computed	Severity	Citation
Nothing declared	H302	high	ate_oral: GHS Rev 7 Section 3.1; OSHA HCS 2024 Appendix A; CLP Annex I 3.1
Nothing declared	H314	high	skin_corrosion: CLP Article 10 / Annex VI Specific Concentration Limit

Unverifiable (0)

Supplier declared	Ruleis computed	Missing inputs
None		

Field provenance

8 fields. By tier: HIGH 2, REVIEW 6. 6 confirmed or corrected.

Field	Value	Tier	Page	Extractors	Review
cas_number	64-18-6	REVIEW	1	text_lines_v1	confirmed
cas_number	7732-18-5	REVIEW	1	text_lines_v1	confirmed
chemical_name	Formic acid	REVIEW	1	text_lines_v1	confirmed
chemical_name	Water	REVIEW	1	text_lines_v1	confirmed
concentration	20 to 35 % w/w	REVIEW	1	text_lines_v1	confirmed
concentration	65 to 80 % w/w	REVIEW	1	text_lines_v1	confirmed
h_code	H318	HIGH	1	section_2_regex_v1, section_2_scan_v1	open
signal_word	Danger	HIGH	1	section_2_regex_v1, section_2_scan_v1	open

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Registry versions and hashes

Table	Dated	Evaluated at	File SHA-256	Source SHA-256
harmonized_classification	2026-10-06	2026-10-06	9102682e7bf72e6cdc28d6e741eac41819ff75439c7071065c6197746b14efbf	2a273b00c0bb97c58989964cfce1a622e5a6129fd04e5455e050a8939b6fce8f
scl_annex_vi	2026-10-06	2026-10-06	ee1a2b67180a5dc43085cfb069acde7d1e71447d422d0d7f913452286d1f51a6	2a273b00c0bb97c58989964cfce1a622e5a6129fd04e5455e050a8939b6fce8f
svhc_candidate_list	2026-10-06	2026-10-06	6344da685a55fe1e6245c7d68a804fe74aaebc3a222712ace3f5b6a01fb5af12	ab48b53a080a15367308c3c4a09d5b630e43cdbceb76ffa075a56ed58ca8466f

The ECHA Annex VI table is data published by ECHA, used here as a convenience copy. The only legally binding source is the Official Journal of the European Union.

Audit timeline

When (UTC)	Event	By	Detail
2026-10-06 21:44:45	Uploaded under-declared.pdf from Example Supplier A	system	
2026-10-06 21:44:50	Extraction started (attempt 1)	system	
2026-10-06 21:44:51	Extraction finished (attempt 1)	system	
2026-10-06 21:45:02	Calculation run	system	
2026-10-06 21:46:42	Confirmed composition_entry.cas_number	dev-local@example.test	before: 64-18-6; after: 64-18-6; reason: checked against page 1 of the synthetic fixture
2026-10-06 21:46:42	Confirmed composition_entry.cas_number	dev-local@example.test	before: 7732-18-5; after: 7732-18-5; reason: checked against page 1 of the synthetic fixture
2026-10-06 21:46:42	Confirmed composition_entry.chemical_name	dev-local@example.test	before: Formic acid; after: Formic acid; reason: checked against page 1 of the synthetic fixture
2026-10-06 21:46:42	Confirmed composition_entry.chemical_name	dev-local@example.test	before: Water; after: Water; reason: checked against page 1 of the synthetic fixture
2026-10-06 21:46:42	Confirmed composition_entry.concentration	dev-local@example.test	before: {'unit': '% w/w', 'basis': 'STATED', 'max_conc': '35', 'min_conc': '20', 'approximate': False, 'source_unit': '% w/w', 'unit_assumed': True, 'max_inclusive': True, 'min_inclusive': True, 'stated_max_conc': '35'}; after: {'unit': '% w/w', 'basis': 'STATED', 'max_conc': '35', 'min_conc': '20', 'approximate': False, 'source_unit': '% w/w', 'unit_assumed': True, 'max_inclusive': True, 'min_inclusive': True, 'stated_max_conc': '35'}; reason: checked against page 1 of the synthetic fixture
2026-10-06 21:46:42	Confirmed composition_entry.concentration	dev-local@example.test	before: {'unit': '% w/w', 'basis': 'STATED', 'max_conc': '80', 'min_conc': '65', 'approximate': False, 'source_unit': '% w/w', 'unit_assumed': True, 'max_inclusive': True, 'min_inclusive': True, 'stated_max_conc': '80'}; after: {'unit': '% w/w', 'basis': 'STATED', 'max_conc': '80', 'min_conc': '65', 'approximate': False, 'source_unit': '% w/w', 'unit_assumed': True, 'max_inclusive': True, 'min_inclusive': True, 'stated_max_conc': '80'}; reason: checked against page 1 of the synthetic fixture

Disclaimer

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