



# DetNet

**Principles, practicalities & support for companies  
through A.I.S.E. Network**

*A.I.S.E. Information Day, 3 December 2013*

*Mrs. Françoise Van Tiggelen  
Chair of A.I.S.E. National Association Committee*

**[www.det-net.eu](http://www.det-net.eu)**

An A.I.S.E. initiative





# Content

- What is in it for the industry ?
- What is in it for SME's ?
- How does it actually work ?
- What is in there for authorities ?





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# Collaborative approach

To get to an appropriate classification, CLP requires data and expertise

➤ This implies time and money

If what can be shared is shared

- ✓ Reduce costs
- ✓ Increase overall knowledge
- ✓ Ensure coherent approach for consumers





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# Collaborative approach

DetNet is open to all companies facing the need to classify, for skin and eye effects, products falling in DetNet scope:

- **laundry detergents** (liquids, powders),
  - **hand dish wash detergents** and
  - **all-purpose cleaners** (non-extreme pH products)
  - other products with similar chemistry/formulations
- Special attention for *SME's* during development process which encompassed 2 pilot phases





> Join  
DetNet  
today!

Detergent Industry Network for CLP Classification

# Welcome

## ► What is it ?

DetNet, the Detergent Industry Network for CLP Classification, is a collective industry approach developed and piloted by A.I.S.E. and its network of National Associations, in dialogue with stakeholders, to classify and label detergent and cleaning products for skin and eye effects.

## ► Principles

- › Open to all companies from the sector
- › Sharing of skin and eye toxicology data on formulations
- › Classification performed by experts
- › Secure web-based tool enabling access to data
- › Sector classification explanatory notes

## ► 5 Reasons to join

- › Access to shared industry data
- › Appropriate skin/eye hazard labels on your products
- › Cost-effective and convenient
- › Expertise and support
- › Consistent industry communication

## Latest news

20.11.2013

### [DetNet portal and subscription available from today!](#)

Brussels – 27 November 2013: The DetNet online platform is opened today to help companies prepare for CLP implementation for the classification and labeling of their detergent products (for skin and eye effects). DetNet has been developed and piloted by A.I.S.E., the International Association for Soaps, Detergents and Maintenance products and its network of National Associations, in dialogue with stakeholders.

[Read more...](#)

20.11.2013

### [DetNet's launch at A.I.S.E. 10th Information Day](#)

Developed by A.I.S.E., DetNet will be officially launched at the forthcoming A.I.S.E. Information Day planned on 3rd December 2013 at the Diamant Conference Center, Brussels.

Around the theme of "Safe use of cleaning products: making the label work and securing consistent end-user communication", DetNet will be officially presented by A.I.S.E.

[Read more...](#)

[See all news](#)



## Reference Formulation (RF) Search Tool

The DetNet RF Search Tool has been developed to help experts classify detergent mixtures for skin/eye effects according to CLP criteria and then document the classification decision in the Classification Record (CR) using a harmonised reporting format.

The RF Search Tool is linked to a database of reference formulations with associated study summaries and ingredient data. After entering the untested mixture to be classified, the expert uses the RF Search Tool to identify (using simple search filters) and display similar formulations (i.e. similar tested mixtures) present in the RF database. The expert then compares the identified similar formulations with the mixture being classified and evaluates manually whether CLP bridging principles can be applied. If one [or more] of the CLP bridging principles can be applied, the expert classifies the untested mixture accordingly and prepares the Classification Record by following the steps in the 'Complete Classification' section of the RF Search Tool.

Please note that the RF Search Tool is not intended to propose a classification, only to present potentially relevant information which may be used by the expert when classifying an untested mixture. Neither does it constitute any kind of recommendation or expert assessment. Responsibility for correct classification, labelling and packaging of mixtures in accordance with the CLP Regulation rests with the Company.

### Information pages

- [RF Search Tool](#)
  - [RF Search Tool](#)
  - [RF Database](#)
  - [RF compositional details](#)
  - [Ingredient data](#)
  - [RF Search Tool – workflow overview](#)
- [DetNet Processes/Procedures](#)
- [External Experts](#)
- [Training/Self-Assessment](#)
- [DetNet Library](#)
- [Contact us](#)

**Information for DetNet users**



## Documents

- A.I.S.E. Guidance on new detergent mixtures assessment on the basis of existing information from similar mixtures for skin or eye irritation/corrosion endpoints under CLP
- DetNet Database User Notes
- DetNet RF data sharing format
- Procedure for access to detailed information on Reference Formulations by Enforcement Authorities
- Procedure for nominating Internal Experts
- Glossary of DetNet terms
- Glossary of codes used in RF Search Tool
- DetNet FAQ
- Classification of detergents under CLP: Findings of the A.I.S.E. in vitro project on skin and eye irritation and corrosion (version 23 April 2013)

### Information pages

- [RF Search Tool](#)
- [DetNet Processes/Procedures](#)
- [External Experts](#)
- [Training/Self-Assessment](#)
- [DetNet Library](#)
  - [Documents](#)
  - [Links](#)
- [Contact us](#)

**Relevant documentation available on line to users**





Association Internationale de la Savonnerie, de la Détergence et des Produits d'Entretien  
International Association for Soaps, Detergents and Maintenance Products

## **Explanatory notes on the assessment of new detergent mixtures on the basis of existing information from similar mixtures**

### **Skin and eye irritation/corrosion endpoints under CLP.**

This document refers only to the derivation of classification based on existing information from similar mixtures. For other aspects of classification, please refer to the CLP text and the ECHA guideline on classification. It is not compulsory and is applied under the responsibility of the manufacturer. A.I.S.E. emphasizes that responsibility for correct classification, packaging and labelling in accordance with the laws and regulations of a Member State rests with the supplier of a preparation.



## DetNet Training/Self-Assessment

DetNet training is provided in the form of a recorded webinar so that classification experts can watch the webinar at a time/location convenient to themselves rather than having to attend a face-to-face training session. All DetNet classification experts have to commit to follow the training within the first months of DetNet membership.

The recorded webinar covers role and responsibilities of DetNet Experts, the DetNet workflow, classification process, classification records and a demonstration of the DetNet website/RF Search Tool.

The [DetNet training webinar](#) can also be used by experts to refresh their knowledge on for example a particular aspect of the DetNet tools and processes. A self-assessment tool will also be provided with questions on the training content.

### Information pages

- [RF Search Tool](#)
- [DetNet Processes/Procedures](#)
- [External Experts](#)
- [Training/Self-Assessment](#)
  - [DetNet Training/Self-Assessment](#)
- [DetNet Library](#)
- [Contact us](#)

**Training for DetNet users**





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today!

## Detergent Industry Network for CLP Classification

> [Experts](#) > External experts

# External experts

### Profile and roles:

- › The external experts (with expertise in dermatology, clinical toxicology) proposed by A.I.S.E. are currently available to support DetNet members on request;
- › DetNet external experts will have access – in full confidentiality - to full formulation details and/or test reports by request on a case by case basis when required to confirm a particular classification;
- › Classification experts needing further information to complete an assessment will have to go to a DetNet external expert;
- › The services of external experts are available to all companies e.g. companies without in-house classification expertise or companies with in-house expertise requiring second opinion or further information to complete an assessment. They will carry out classification assessments on request from companies who are members of DetNet (costs apply – cost level will depend on the contractual arrangements between the company requesting the service and the external expert)

Independent classification experts wishing to be considered for the role of external expert should contact the DetNet Manager ( [detnet@aise.eu](mailto:detnet@aise.eu)).



## Test Formulation

Formulation Name

Formulation Number

Product Category

Product physical form

pH  neat liquid or 10% solution powders

Acid/Alkaline reserve  Young et al method; expressed as grams NaOH [equivalent] per 100g test material





Other relevant information

**Start search in the DetNet database**

**1. Enter formulation details**

## Test Formulation Ingredients

Ingredient  % w/w

Options	Nr.	CAS number	Name	Skin CLP Classification	Eye CLP Classification	% w/w in Formulation	Skin SCL	Eye SCL
						100.00		
Anionic surfactant					32.00			
	1015	68411-30-3	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Skin Irritation Cat. 2	Serious Eye Damage Cat. 1	<input type="text" value="32"/>	Not assigned	Not assigned
Nonionic surfactant					5.00			
	1016	64425-86-1	Fatty Alcohol (C14-15) Ethoxylate 7EO	Not classified as hazardous to skin	Serious Eye Damage Cat. 1	<input type="text" value="5"/>	Not assigned	Not assigned
Alcohol/Solvent					4.00			
	286	64-17-5	Ethanol	Not classified as hazardous to skin	Eye Irritation Cat. 2	<input type="text" value="4"/>		Eye Irrit Cat 2: C ≥ 50 %
Minor					59.00			
	1029	7732-18-5	Water	Not classified as hazardous to skin	Not classified as hazardous to eye	<input type="text" value="59"/>	Not applicable	Not applicable



Filter options

Product Category	Hand dish wash liquid	Product physical form	-----
pH range	Moderate (4 - 10)		
RF with skin data	<input type="checkbox"/>	RF with eye data	<input checked="" type="checkbox"/>
		Filters are combined, please select both options if you only search for reference formulations with both, skin and eye data.	
Total % Eye Cat 1 ingredients	<input type="checkbox"/>	Total % Eye Cat 2 ingredients	<input type="checkbox"/>
		Search for reference formulations with $\pm 20\%$ %w/w ingredients of same eye classification.	
Total % Skin Cat 1 ingredients	<input type="checkbox"/>	Total % Skin Cat 2 ingredients	<input type="checkbox"/>
		Search for reference formulations with $\pm 20\%$ %w/w ingredients of same skin classification.	
Total % surfactants	<input type="checkbox"/>	Total % solvents and alcohols	<input type="checkbox"/>
		Search for reference formulations with $\pm 20\%$ %w/w ingredients of same ingredient type groups.	
Selected RF	<input type="text"/>		
		Enter RFs you want to access in a comma-separated list, e.g. A345, B234, B235 Hint: Do not use this filter in combination with others.	

Test Formulation input

2. Select search options & launch search



3. Find close matching formulation  
& derive classification (CLP  
Bridging Principles)

Search Results

Search Save/Import Search Detailed comparison Select at least one RF to complete the classification

Current search filters

- Product Category: Hand dish wash liquid
- RF with eye data: Active
- pH range: Moderate (4 - 10)

Selected RFs Skin: Eye:  
Removed RFs

« previous 1 2 3 4 next »

	Detergent XYZ					C10	C11	C12	C14	C15
Remove from results						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mark for CR						S: <input type="checkbox"/> E: <input type="checkbox"/>	S: <input type="checkbox"/> E: <input type="checkbox"/>	S: <input type="checkbox"/> E: <input type="checkbox"/>	S: <input type="checkbox"/> E: <input type="checkbox"/>	S: <input type="checkbox"/> E: <input type="checkbox"/>
Product Category	HDW					HDW	HDW	HDW	HDW	HDW
Physical form	VL					VL	VL	VL	VL	VL
pH	7					6.8 (10%)	5.0 +/- 0.3	6.8 (10%)	7 (10%)	6.8 at 10%
Acid/Alkaline reserve	0					0	0	0	0	0
Skin classification	Not Class					Not Class	Not Class	Not tested	Not tested	Not tested
Eye Classification	Eye Dam.1					Eye Dam.1	Eye Irrit.2	Not Class	Eye Irrit.2	Not Class
	Skin	SCL	Eye	SCL	% w/w	% w/w	% w/w	% w/w	% w/w	% w/w
Anionic surfactant					32	16	5.8	26.7	42.8	40.2
	2	0	1	0		16		20.1	42.8	14.1
	2	0	1	0				6.6		
	2	0	1	0						11.9
	2	0	1	0			5.8			
	2	0	1	0						14.2
	2	0	1	0						
Benzenesulfonic acid...	2	0	1	0	32					
Nonionic surfactant					5	16	22.9	8.6	3.9	3
	2	0	1	0					3.9	
	2	0	1	0			2	3.8		3
	2	0	1	0			1.9			
Fatty Alcohol (C14-1...	3	0	1	0	5		19			
	3	0	1	0						
	3	0	1	0		8		4.8		
	3	0	1	0		8				
Amphoteric surfactant						2	5	1.5	1.3	
	2	0	1	0					1.3	
	2	0	1	0		2		1.5		
	2	0	1	0			5			
Hydrotrope						2	1.2	1	1.6	
	2	0	2	0		2		1	0.8	
	3	0	2	0			1.2			
	3	0	3	0					0.8	



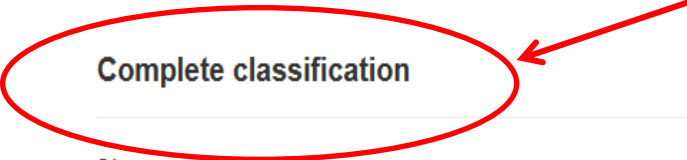
## Detailed Comparison

[Back to search results](#) Select at least one RF per endpoint to complete the classification

		Test formulation		C14	
Product Category		Hand dish wash liquid		Hand dish wash liquid	
Product physical form		Viscous liquid		Viscous liquid	
pH (neat liquid or 10% soln powders)		7		7 (10%)	
Acid/Alkaline reserve				0	
Eye Classification				Eye Irritation Cat. 2	
Eye Test Data				LVET - Klimisch 1	
	Eye SCL	% w/w	Eye	% w/w	Eye
Permitted Variations Bridging Principle				Not Applicable	
<b>Anionic surfactant</b>		32		42.8	
Ammonium laureth sulfate 0.5 - 4 EO	Not assigned			42.8	1
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Not assigned	32	1		
<b>Nonionic surfactant</b>		5		3.9	
Fatty Alcohol (C14-15) Ethoxylate 7EO	Not assigned	5	1		
Amines, C12-18(even numbered)-alkyldimethyl, N-oxides	Not assigned			3.9	1
<b>Amphoteric surfactant</b>				1.3	
Betaines, C12-14-alkyldimethyl	Not assigned			1.3	1
<b>Hydrotrope</b>				1.6	
Sodium cumene sulphonate	Not assigned			0.8	2
Ammonium xylene sulfonate	Not applicable			0.8	3
<b>Processing Aid</b>				2.9	
Processing Aid	Not applicable			2.9	3
<b>Alcohol/Solvent</b>		4		8.7	
Ethanol	Eye Irrit Cat 2: C ...	4	2	8.7	2



## 4. Complete the classification record



### Complete classification

Q1

SKIN Classification  
according to CLP criteria \*

Please select an option



Q2

Method used to derive  
Skin Classification \*

-----



Classification Justification \*

Q3

EYE Classification  
according to CLP criteria \*

Please select an option



Q4

Method used to derive  
Eye Classification \*

-----



Classification Justification \*

#### Information

Please complete the classification with the following steps:

- Complete the four questions on this page (two for each end point) and document the rationale for your classification decision.
- Download the draft CR file at least once for checking.
- Re-edit the questions or update your RF selection if you want to refine the CR file.
- Rethink if you want to save the final search settings.
- Proceed to the FINAL CR file.
- Download the FINAL CR file on the following page. This can be done once-only, this step will be billed!

#### Your selected RFs

Your currently selected Reference Formulations:

#### Skin

- No Reference Formulations selected.

#### Eye

- C14

#### Detailed comparisons

Click on the links below to open the detail comparison tables in a new window

- [Detail comparison for Skin](#)
- [Detail comparison for Eye](#)



## Detergent Industry Network for CLP Classification

CLASSIFICATION RECORD	
Skin/Eye Hazard Classification of Laundry/Home Care Products	
General Information	
Company	Test Company
Formulation Name	Detergent XYZ
Product category	Hand dish wash liquid
Formulation number	HDWL123
Physical / Chemical properties	
Physical form	Viscous liquid
pH <sup>1</sup>	7
Acid / Alkaline reserve <sup>2</sup>	
Other relevant information <sup>3</sup>	
Classification	
Classification according to CLP criteria (skin/eye hazards)	<b>Skin:</b> Skin Irritation Cat. 2 <b>Eye:</b> Eye Irritation Cat. 2
Method used to derive Classification	<b>Skin:</b> CLP calculation method <b>Eye:</b> Substantially similar mixtures bridging principle and expert judgement
Approval	
Classification derived by	Test Tester 2
Classification completed	2013-11-25
Classification logged on DetNet website	2013-11-25
Classification logging number	DetNet/71

1. neat liquid or 10% solution powders

2. Young et al method; expressed as grams NaOH [equivalent] per 100g test material

3. e.g. result of Young et al method calculation if applicable





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# Collaborative approach

Securing an appropriate classification for the consumer/end user is also a goal for authorities.

This is the reason why A.I.S.E. & its network of NA's engaged with authorities from the beginning of the project and are willing to continue doing so.







# Collaborative approach

## Benefits for authorities

- Full transparency and access to all information behind DetNet data
- Standardised and complete classification records can facilitate control
- DetNet provides a frame/basis towards consistency with the basic principles of CLP





# Conclusions

DetNet is a user-friendly tool which will help companies in getting the appropriate classification, for a series of products, regarding skin and eye effects.

SME's needs in particular have been taken into account - NA's will continue supporting them in close cooperation with DetNet and A.I.S.E. experts.

Authorities could also benefit from a broad DetNet use by industry.

*Feedback from all users will be crucial to keep it fit for purpose*





*Thank you for your attention !*

*[www.det-net.eu](http://www.det-net.eu)*