DetNet

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

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

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Chair of A.I.S.E. National Association Committee

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 ?

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

Collaborative approach

DetNet is open to <u>all companies</u> 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

Detergent Industry Network for CLP Classification

> Join DetNet today!

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

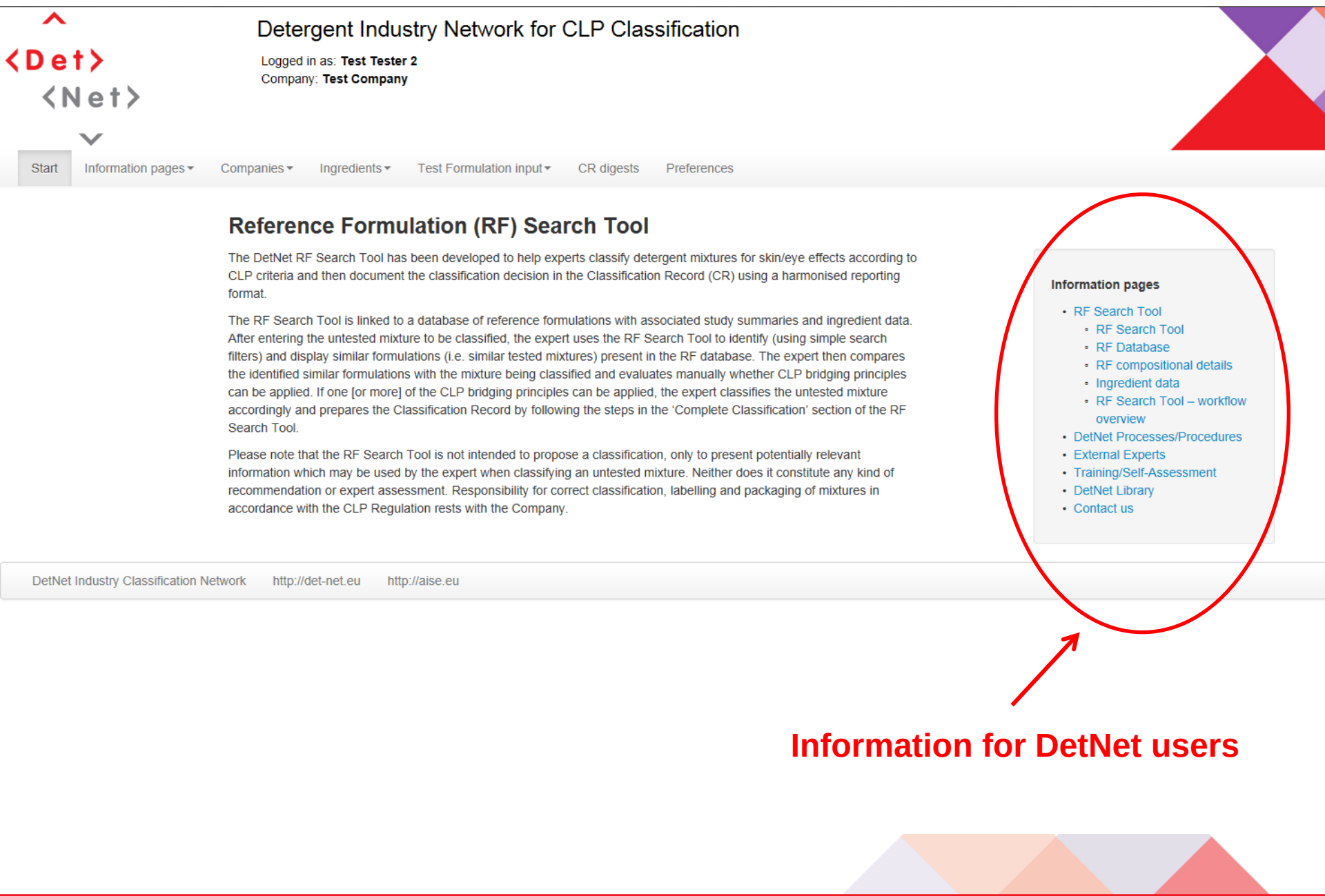
DetNet's launch at A.I.S.E. 10th Information Day

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



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

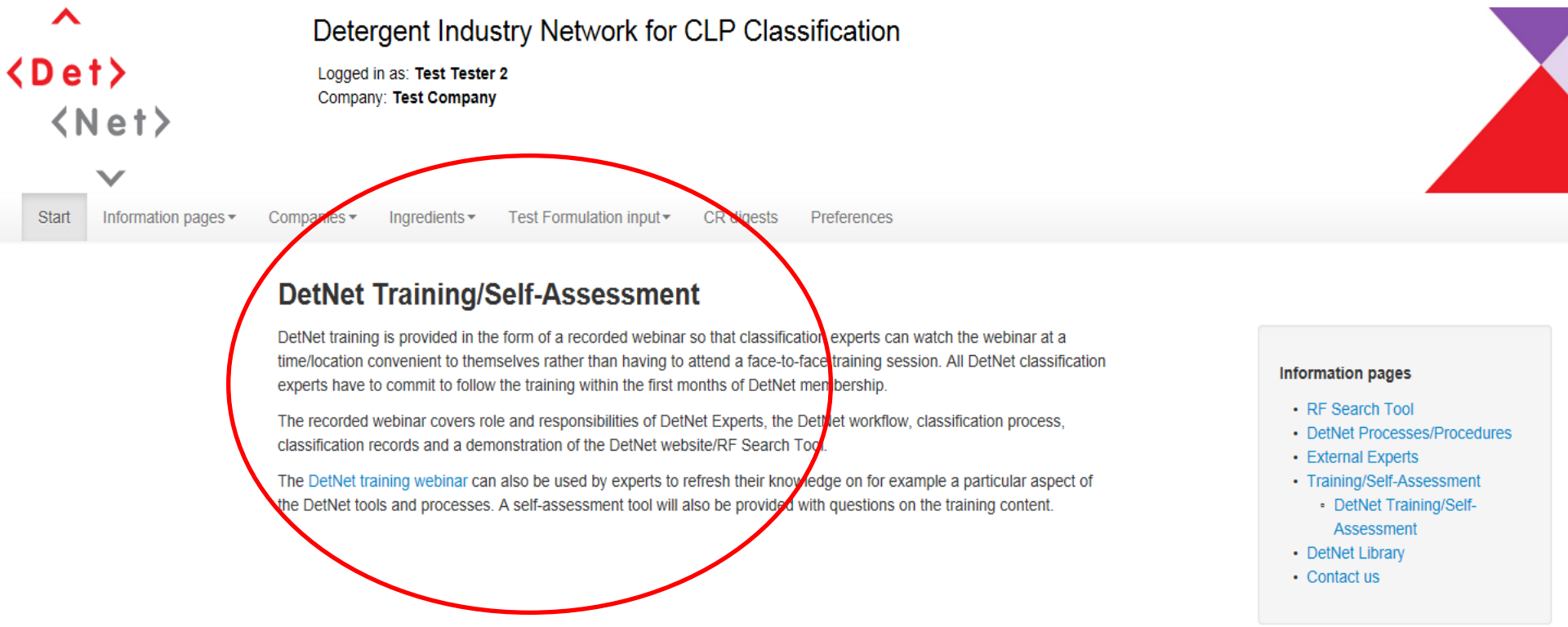
A·I·S·E

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.



Training for DetNet users

Detergent Industry Network for CLP Classification

> Join DetNet today!

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).

Start search in the DetNet database
1. Enter formulation details

Test Formulation

Formulation Name	Detergent XYZ
Formulation Number	HDWL123
Product Category	Hand dish wash liquid
Product physical form	Viscous liquid
pH	7
Acid/Alkaline reserve	
Other relevant information	

neat liquid or 10% solution powders

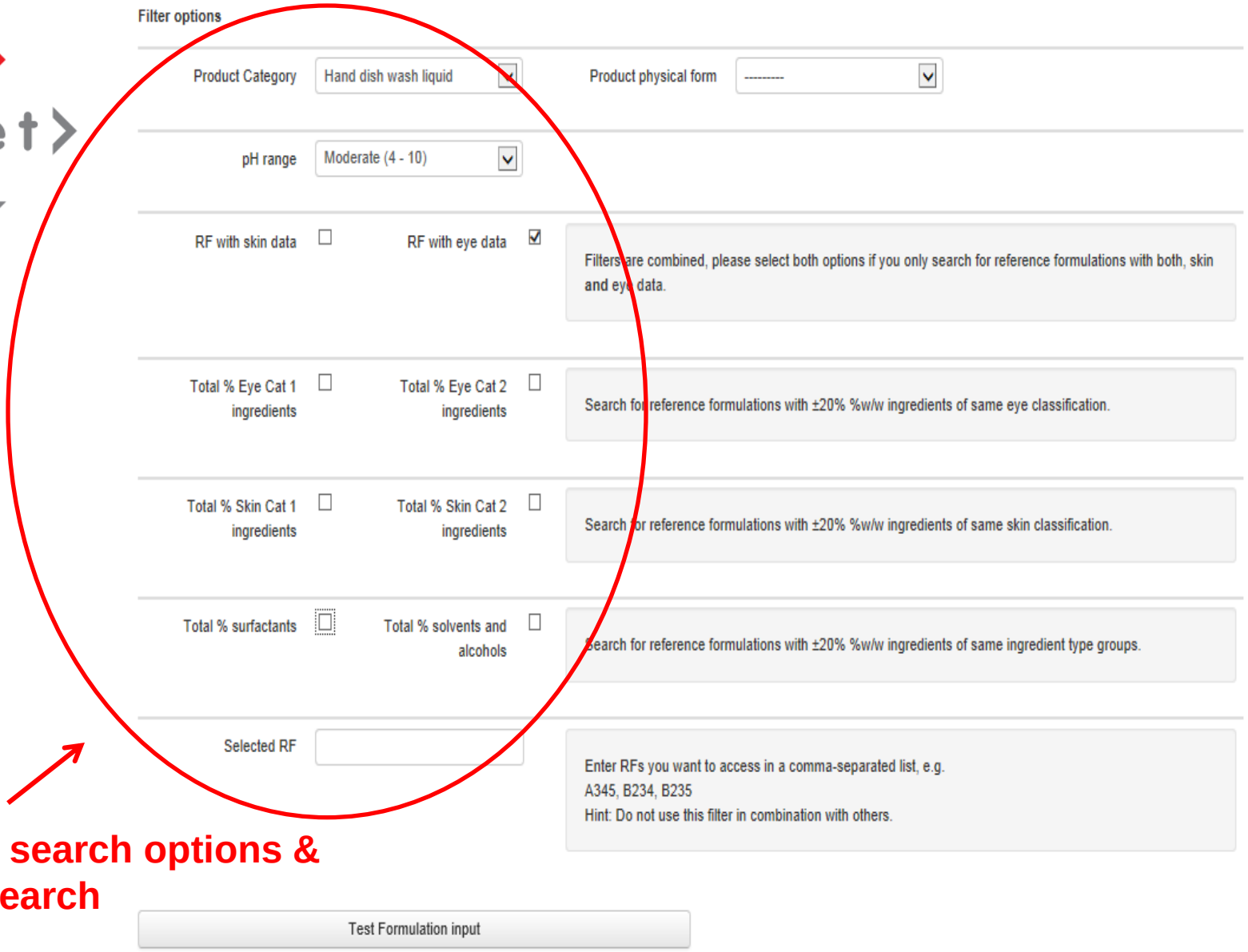
Young et al method; expressed as grams NaOH [equivalent] per 100g test material

Perform Young et al. calculation

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	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	5	Not assigned	Not assigned
Alcohol/Solvent					**4.00**			
🗑	286	64-17-5	Ethanol	Not classified as hazardous to skin	Eye Irritation Cat. 2	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	59	Not applicable	Not applicable



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						☐	☐	☐	☐	☐
Mark for CR						S:☐ E:☐	S:☐ E:☐	S:☐ E:☐	S:☐ E:☐	S:☐ E:☐
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
Skin classification						Not Class	Not Class	Not tested	Not tested	Not tested
Eye Classification						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		1			16		20.1	42.8	14.1
	2		1					6.6		
	2		1							11.9
	2		1				5.8			
	2		1							14.2
Benzenesulfonic acid...	2		1		32					
Nonionic surfactant					**5**	**16**	**22.9**	**8.6**	**3.9**	**3**
	2		1						3.9	
	2		1				2	3.8		3
	2		1				1.9			
Fatty Alcohol (C14-1...	3		1		5					
	3		1				19			
	3		1			8		4.8		
	3		1			8				
Amphoteric surfactant						**2**	**5**	**1.5**	**1.3**	
	2		1						1.3	
	2		1			2		1.5		
	2		1				5			
Hydrotrope						**2**	**1.2**	**1**	**1.6**	
	2		2			2		1	0.8	
	3		2				1.2			
	3		3						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	
Anionic surfactant		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		
Nonionic surfactant		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
Amphoteric surfactant				1.3	
Betaines, C12-14-alkyldimethyl	Not assigned			1.3	1
Hydrotrope				1.6	
Sodium cumene sulphonate	Not assigned			0.8	2
Ammonium xylene sulfonate	Not applicable			0.8	3
Processing Aid				2.9	
Processing Aid	Not applicable			2.9	3
Alcohol/Solvent		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

Clink 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[1]	7
Acid / Alkaline reserve[2]	
Other relevant information[3]	
Classification	
Classification according to CLP criteria (skin/eye hazards)	**Skin:** Skin Irritation Cat. 2 **Eye:** Eye Irritation Cat. 2
Method used to derive Classification	**Skin:** CLP calculation method **Eye:** 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

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