



GUIDELINE NEW CALCULATION OF CVDTOX-ICEA

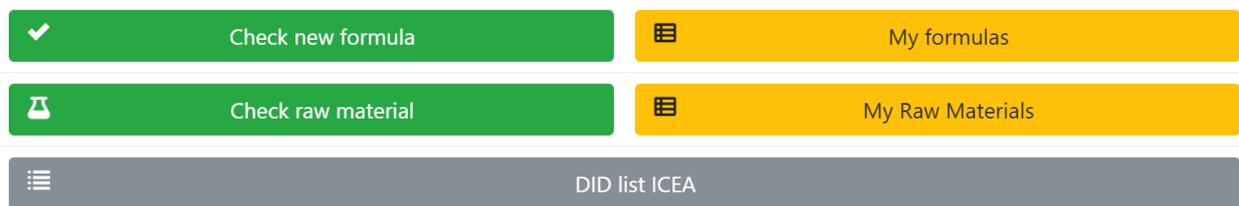
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CRITERIA FOR RAW MATERIALS

Calculation of environmental impact detergents

Welcome Cosmesi - ICEA



Clicking on the button CHECK RAW MATERIAL the page opens for the control of the conformity of raw materials according to the version in force of the Technical standard for the Eco and Eco bio cleaners.

The website allows to verify that ingredients for products to certify are conform to the point 5.1 of the standard; as in the following tables, the system combines the category of products with the principal criteria:

1. Hazard identification code
2. Acute oral toxicity
1. Bioaccumulation for preservatives

SURFACTANTS

surfactants	H300 H304 H310 H330 H340 H350 H350i H360F H360Df H360FD H360Fd H360D H370 H372 H373 EUH070 H400 H410 H411 H413 H420 H334	<u>Concentration <0.1 %:</u> H351 H361fd H361f H361d H362 H371 <u>Concentration <0.3 %:</u> H317	H412	>2000mk/kg	NA
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ESSENTIAL OILS

Essential oils		<u>Concentration <0.1 %:</u> H351 H361fd H361f H361d H362 H371 <u>Concentration <0.3 %:</u> H300 H304 H310 H330 H340 H350 H350i H360F H360Df H360FD H360Fd H360D H370 H372 H373 EUH070 H400 H410 H411 H412 H413 H420	H317 H334	NA	NA
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ENZYMES

CATEGORIE MATERIE PRIME	INDICAZIONI DI PERICOLO NON AMMESSE	INDICAZIONI DI PERICOLO AMMESSE CON RESTRIZIONI	INDICAZIONI DI PERICOLO AMMESSE CON DEROGHE	TOSSICITA' ACUTA ORALE	POTENZIALE DI BIACCUMULO AMMESSO
Enzymes	H300 H304 H310 H330 H340 H350 H350i H360F H360Df H360FD H360Fd H360D H370 H372 H373 EUH070 H400 H410 H411 H413 H420	Concentration <0.1 %: H351 H361fd H361f H361d H362 H371 Concentration <0.01%: H412 Concentration <0.3 %: H317	H334	>2000mg/kg	NA

INORGANIC INGREDIENTS

CATEGORIE MATERIE PRIME	INDICAZIONI DI PERICOLO NON AMMESSE	INDICAZIONI DI PERICOLO AMMESSE CON RESTRIZIONI	INDICAZIONI DI PERICOLO AMMESSE CON DEROGHE	TOSSICITA' ACUTA ORALE	POTENZIALE DI BIACCUMULO AMMESSO
Inorganic ingredients	H300 H304 H310 H330 H340 H350 H350i H360F H360Df H360FD H360Fd H360D H370 H372 H373 EUH070 H400 H410 H411 H413 H420 H334	Concentration <0.1 %: H351 H361fd H361f H361d H362 H371 Concentration <0.01%: H412 Concentration <0.3 %: H317		>2000mg/kg	NA

PRESERVATIVES

CATEGORIE MATERIE PRIME	INDICAZIONI DI PERICOLO NON AMMESSE	INDICAZIONI DI PERICOLO AMMESSE CON RESTRIZIONI	INDICAZIONI DI PERICOLO AMMESSE CON DEROGHE	TOSSICITA' ACUTA ORALE	POTENZIALE DI BIACCUMULO AMMESSO
Preservatives	H300 H304 H310 H330 H340 H350 H350i H360F H360Df H360FD H360Fd H360D H370 H372 H373 EUH070 H400 H410 H411 H413 H420 H334	Concentration <0.1 %: H351 H361fd H361f H361d H362 H371 Concentration <0.01%: H412 Concentration <0.3 %: H317		NA	<500 BCF oppure <4 ppm

OTHERS

CATEGORIE MATERIE PRIME	INDICAZIONI DI PERICOLO NON AMMESSE	INDICAZIONI DI PERICOLO AMMESSE CON RESTRIZIONI	INDICAZIONI DI PERICOLO AMMESSE CON DEROGHE	TOSSICITA' ACUTA ORALE	POTENZIALE DI BIACCUMULO AMMESSO
Others	H300 H304 H310 H330 H340 H350 H350i H360F H360Df H360FD H360Fd H360D H370 H372 H373 EUH070 H400 H410 H411 H413 H420 H334	Concentration <0.1 %: H351 H361fd H361f H361d H362 H371 Concentration <0.01%: H412 Concentration <0.3 %: H317		>2000mg/kg	NA

For the evaluation of ingredients it's necessary to add the name of raw material and in the area "product description" it's possible to add other information about ingredient to evaluate.

ICEA raw materials verification



Product name

Product description

Select the type of product

The following step is select the kind of ingredient to check because the criteria are different according the category of raw materials.

EXAMPLE:

ICEA raw materials verification



Product name

Product description

Select the type of product

By entering the required data, the portal automatically generates the answer on the conformity of the raw material and it is possible to export the evaluation in a pdf file.

The required data are:

1. Hazard identification code: to add different codes interspersed by -
2. Acute oral toxicity: LD50 according the safety data sheet
3. Bioaccumulation: to use fot evaluation of preservatives

Risk Code "H" - if multiple separate with "-"	ICEA verification	
<input type="text"/>	Labelable ICEA	
<hr/>		
Acute oral toxicity (LD ₅₀)	ICEA verification	
<input type="text"/> mg/kg	<input type="text"/>	
<hr/>		
Bioaccumulation	Unit	ICEA verification
<input type="text"/>	BCF	NA
<hr/>		
 Export to PDF		

EXAMPLE:

Risk Code "H" - if multiple separate with "-"	ICEA verification	
351-302-334	Not labelable ICEA	
<hr/>		
Acute oral toxicity (LD ₅₀)	ICEA verification	
2001 mg/kg	Labelable ICEA	
<hr/>		
Bioaccumulation	Unit	ICEA verification
<input type="text"/>	BCF	NA
<hr/>		
 Export to PDF		

Clicking on EXPORT to PDF generates a PDF file with the assessment report of the raw material. This assessment must be carried out to evaluate any new ingredients, but this document must also be saved and then sent to ICEA together with the technical and safety data sheets of each ingredient used in the products to be certified.

Clicking on SAVE RAW MATERIAL & CLOSE the assessment report of the raw material is saved in MY RAW MATERIALS and after these can then be exported in pdf or exel.

CRITERIA FOR FINISHED PRODUCTS

The site allows to verify the conformity of the product to be certified, according to the requirements indicated in point 6 of the Technical Guidelines for Eco and Eco bio-detergency, and to save the controlled formulations in the personal archive called MYFORMULAS.

In DIDlistICEA is the archive materials with the values of the ingredients already assessed.

To check the finished products you need to access the NEW FORMULA CHECK.

Calculation of environmental impact detergents

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Each product will be evaluated according to:

- **ENVIRONMENTAL IMPACT:** the Disciplinary admits the maximum values of CVDtox according to the product category
- **NATURAL ORIGIN:** minimum 95% of ingredients must be of natural origin; powders are excluded from this requirement.
- **ORGANIC CONTENT:** minimum 20% organic content for the products to be certified ECO BIO DETERGENZA; powders are excluded from this requirement.

In the first part of the NEW FORMULA CHECK you must enter the name of the product, the type of product and the dosage of use of the product.

In the product description you can enter the certification level for which the evaluation is requested or other information, such as the different tradename for which the same formulation is valid.

Calculation substances ICEA



Product name

Product description

Select the type of product

Dosage
 ml

EXAMPLE

Calculation substances ICEA



Product name

Product description

Select the type of product

Dosage
 ml

The second part of the NEW FORMULA CHECK contains the table in which to insert the formulation to be evaluated for the

ID	Ingredients	%	% Bio	VCD tox
<input type="text"/>		<input type="text"/>	<input type="text"/>	
<input type="text"/>		<input type="text"/>	<input type="text"/>	
<input type="text"/>		<input type="text"/>	<input type="text"/>	
<input type="text"/>		<input type="text"/>	<input type="text"/>	
<input type="text"/>		<input type="text"/>	<input type="text"/>	
<input type="text"/>		<input type="text"/>	<input type="text"/>	
<input type="text"/>		<input type="text"/>	<input type="text"/>	
<input type="text"/>		<input type="text"/>	<input type="text"/>	

certification

It is necessary to select each ingredient thanks to the ID number that identifies it in the Substances archive and automatically the portal inserts the name of the raw material; then



you can enter the concentration used in the formulation and the possible biological content of the ingredient.

ID	Ingredients	%	% Bio	VCD tox	Trade name
<input type="text"/>		<input type="text"/>	<input type="text"/>		<input type="text"/>

% ingrediente in formula

Numero identificativo degli ingredienti nell'archivio Sostanze

Contenuto biologico del singolo ingrediente

Nome commerciale dell'ingrediente

NOTE: The search for ingredients in the substance archive is accessible by clicking CTRL + F and entering the category name. To have both the substance database and the formulations open, the portal must also be opened in a new browser tab.

For each ingredient in the last column is generated automatically the environmental impact value

ID	Ingredients	%	% Bio	VCD tox
61	Alchil (C12/18) amidopropilbetaina	1		8333.33

EXAMPLE

ID	Ingredients	%	% Bio	VCD tox
82	Esterquat	5.4		6750.00
134	Citrato e acido citrico	6		93.75
153	Profumi, se non altrimenti specificato (**)	0.1		12500.00

Based on the concentrations of the ingredients included in the table we obtain the 3 criteria that indicate the conformity or not of the formula and are summarized at the end of the table with the

ingredients:

Criteria	Sum	Result
Critical dilution volume	19343.75	Labelable ICEA
Natural contained	100.00 %	Labelable ICEA
Organic content	0.00 %	Not labelable ICEA

NOTE: Because for the Eco detergency it is valid that the Organic content is NOT LABELABLE ICEA, we ask to insert in the description of the product for which certification level the product is presented.

The controlled formulations can be:

- SAVED in the MY FORMULAS archive by clicking SAVE FORMULA
- DOWNLOAD as a pdf file by clicking on EXPORT TO PDF

Only the formula without attachments will be saved

Save formula & close

Export to PDF

Back

In order to proceed with the evaluation of the formulations, it is necessary to send a communication with the product name and certification level to the email address icea.cosmesi@icea.bio to which the pdf exported from the CHECK MY FORMULA control or saved in the MY FORMULAS archive must be attached

RESUME

FOR THE EVALUATION OF A DETERGENT TO CERTIFY THE PASSAGES REQUIRE:

- SENDING TO ICEA OF THE FORMULATION ATTACHING SAFETY DATA SHEETS, TECHNICAL SHEET AND RESULT OF THE VERIFICATION OF THE INDIVIDUAL INGREDIENTS
- SENDING OF LABELS WITH LOGO AND ICEA CODE
- SENDING THE RESULTS OF THE PERFORMANCE TESTS AND OTHER TESTS

THE NEW PORTAL ALLOWS TO ALWAYS HAVE ACCESS TO THE MOST UP-TO-DATE CALCULATION SHEET AND TO BE ABLE TO ARCHIVE THE EVALUATIONS MADE. IN ADDITION YOU CAN CHECK THE RAW MATERIALS TO BE USED IN THE PRODUCT, TO VERIFY IF THEY CAN BE USED OR NOT IN CERTIFIED PRODUCTS, AND THE VERIFICATION OF THE FORMULATIONS TO CHECK THE CONFORMITY.