

## ***Sustainable Public Procurement-fiche: advanced***

### ***1) Subject matter***

Environmental friendly laundry detergents for professional use

“For <.....> (name of the public authority), the care for the environment and social aspects is important. It is stated in her <strategic policies>, <mission>, <vision>, <procurement policy>, ...”

### ***2) Exclusion criteria***

Non compliance with environmental and social legislation, which has been the subject of a final judgment or a decision having equivalent effect, may be considered an offence concerning the professional conduct of the economic operator concerned or grave misconduct, permitting to exclude the party concerned from competing for the contract

Ref:

Art. 53 and 54 of Directive 2004/17/EC and Art. 45 of Directive 2004/18/EC

### ***3) Technical capacity (not exclusive)***

/

### ***4) Technical specifications***

#### ***The final product***

The product must not be classified as very toxic (T+), toxic (T), harmful to health (Xn) or irritating Xi with risk phrase R43 (May cause sensitisation by skin contact) or dangerous to the environment (with or without the symbol N).

The product may, however, be classified as Xn with risk phrase R22 (Harmful if swallowed).



### ***Chemical substances***

- Substances classified as carcinogenic (Carc with R40, R45 and/or R49), mutagenic (Mut with R46 and/or R68) and/or reproduction-toxic (Rep with R60, R61, R62 and/or R63) must not be incorporated in the product (see also annex).
  - Substances classified as sensitising with risk phrase R42 and/or R43 must not be incorporated in the product. (see also annex).
- Enzymes are exempted from this requirement  
Fragrances are exempted from this requirement.
- Enzymes must be liquid or take the form of non-dusting granules.
  - The substances listed below must not be included in the product
    - Alkyl phenol ethoxylates (APEO) and/or alkyl phenol derivatives (APD)
    - Boric acid and borates
    - Reactive chlorine compounds, e.g. sodium hypochlorite or organic chlorine compounds
    - Optical brighteners
    - NTA (Nitrilotriacetate)
    - EDTA (Ethylene diamine tetraacetate and its salts)The use of EDTA is exempted for laundering in Norway

The following compounds shall not be added to the product:

Musk xylene 81-15-2  
Musk ambrette 83-66-9  
Moskene 116-66-5  
Musk tibetine 145-39-1  
Musk ketone 81-14-1  
HHCB 114109-62-5, 114109-63-6, 1222-05-5, 78448-48-3 or 78448-49-4  
AHTN 1506-02-1 or 21145-77-7

### ***Colouring agents***

The colouring agent may be added to liquid products if the colouring agent is approved as a food additive or is not bioaccumulable. The colouring agent is not considered to be bioaccumulable if  $BCF < 100$  or  $\log K_{ow} < 3.0$ . Where there is information on both BCF and  $\log K_{ow}$ , the values for BCF must be used.

### ***Surfactants***

- All surfactants must be readily degradable in accordance with test method no. 301 A - F of the OECD guidelines for testing of chemicals or other equivalent test methods.
- All surfactants must be anaerobically degradable, which means at least 60% degradability under anaerobic conditions, according to ISO 11734, ECOTOC no. 28 (June 1988) or equivalent test methods.



### ***Preservatives:***

Preservatives may be added in liquid products if the preservatives are not bioaccumulable. The substance is considered not to be bioaccumulable if  $BCF < 100$  or  $\log Kow < 3.0$ . If there is information on both BCF and logKow, values for BCF must be used.

### ***Fragrances***

- Fragrances must be added in accordance with IFRA's guidelines.
- Any single fragrance compound appearing on the list of substances in Annex III, Part I of Regulation 648/2004/EC on Detergents, shall not be present in the laundering process in concentrations exceeding 0.01 g/kg laundry which equals to 10 ppm.

### ***Packaging***

- Plastic material must be labelled in accordance with DIN 6120, Part 2, or equivalent.
- PVC or other halogenated plastics must not be incorporated in either the packaging or the labelling.
- Dosage instructions:  
The recommended dosage for one kg of articles to be washed for different levels of soiling and for different water hardness must be given in ml or g per 1 kg laundry on the label or in a technical product data sheet. It must be clear for what type of wash the dosage is recommended.  
Dosage shall be given for different water hardness must be quoted for soft, middle hard and hard water. Water hardness must be indicated in the ranges relevant for areas in which the product is sold.

### ***Evidence:***

The compliance with all the criteria mentioned above can be proved with the following label:



Nordic Swan Labeling

in case that the tendering company can present this label, any further proof is not necessary. Any other suitable evidence from a recognized body can also be used.



### 5) Awarding the contract:

	<b>Criterion</b>	<b>Weight</b>
1	<b>Price</b>  <i>Calculation (e.g.):</i> Lowest offered price/ stated price x 0,70	e.g. 70%
2	<b>Environmental criteria</b> (The public authority formulates the points it wants to assign to the below mentioned criteria )  <i>Calculation (e.g.):</i> Total scored points / maximum number of points x 0,20	e.g. 20%
3	...	e.g. 5 %
4	...	e.g. ....

### ***Environmental criteria***

/

### 6) Performance clauses:

/

### **6bis) Specific performance clause**

#### ***Declaration on animal testing***

1) For the delivery of the products in this procurement, the tenderer declares to not (or no longer) conduct or commission animal testing and must apply a verifiable fixed cut-off date. This date is an unmoveable date after which none of its finished products, ingredients or formulations (delivered by itself or its suppliers) have been animal tested.

2) The tenderer must be open to an independent audit throughout its supply chain to ensure that they adhere to their animal testing policy.



Proof:

The tenderer can proof the compliance with the above mentioned requirements on animal testing by a signed declaration of the Humane Cosmetics Standard or the Humane Household Products Standard. Products with the leaping bunny logo also



comply:

Any other proof in compliance with the above mentioned criteria can be accepted.

### *References*

[Information of the public authority that used these clauses in a procurement case]



## Annex R-PHRASES:

**(R-phrases are mentioned on product labels and in product safety datasheets. It can be a useful tool for verification-procedures.)**

<u>R1:</u>	Explosive when dry.
<u>R2:</u>	Risk of explosion by shock, friction, fire or other sources of ignition.
<u>R3:</u>	Extreme risk of explosion by shock, friction, fire or other sources of ignition.
<u>R4:</u>	Forms very sensitive explosive metallic compounds.
<u>R5:</u>	Heating may cause an explosion.
<u>R6:</u>	Explosive with or without contact with air.
<u>R7:</u>	May cause fire.
<u>R8:</u>	Contact with combustible material may cause fire.
<u>R9:</u>	Explosive when mixed with combustible material.
<u>R10:</u>	Flammable
<u>R11:</u>	Highly flammable
<u>R12:</u>	Extremely flammable
<u>R13 (obsolet):</u>	<i>Extremely flammable liquid gas (This R-phrase is no longer designated by the version of the GefStoffV published on 26.10.93.)</i>
<u>R14:</u>	Reacts violently with water.
<u>R15:</u>	Contact with water liberates extremely flammable gases.
<i>Merck R15.1</i>	<i>Contact with acid liberates extremely flammable gases.</i>
<u>R16:</u>	Explosive when mixed with oxidizing substances.
<u>R17:</u>	Spontaneously flammable in air.
<u>R18:</u>	In use, may form flammable/explosive vapour-air mixture.
<u>R19:</u>	May form explosive peroxides.
<u>R20:</u>	Harmful by inhalation.
<u>R21:</u>	Harmful in contact with skin.
<u>R22:</u>	Harmful if swallowed.
<u>R23:</u>	Toxic by inhalation.
<i>Riedel-de Haen R23K:</i>	<i>Also toxic by inhalation.</i>
<u>R24:</u>	Toxic in contact with skin.
<i>Riedel-de Haen R24K:</i>	<i>Also toxic in contact with skin.</i>
<u>R25:</u>	Toxic if swallowed.
<i>Riedel-de Haen R25K:</i>	<i>Also toxic if swallowed.</i>
<u>R26:</u>	Very toxic by inhalation.
<i>Riedel-de Haen R26K:</i>	<i>Also very toxic by inhalation.</i>
<u>R27:</u>	Very toxic in contact with skin
<i>Riedel-de Haen R27A:</i>	<i>Very toxic in contact with eyes.</i>
<i>Riedel-de Haen R27K:</i>	<i>Also very toxic in contact with skin.</i>
<i>Riedel-de Haen</i>	<i>Also very toxic in contact with eyes.</i>



<u>R27AK:</u>	
<u>R28:</u>	Very toxic if swallowed.
<i>Riedel-de Haen</i>	<i>Also very toxic if swallowed.</i>
<u>R28K:</u>	
<u>R29:</u>	Contact with water liberates toxic gas.
<u>R30:</u>	Can become highly flammable in use.
<u>R31:</u>	Contact with acids liberates toxic gas.
<i>Merck R31.1</i>	<i>Contact with alkalies liberates toxic gas.</i>
<u>R32:</u>	Contact with acids liberates very toxic gas.
<u>R33:</u>	Danger of cumulative effects.
<u>R34:</u>	Causes burns.
<u>R35:</u>	Causes severe burns.
<u>R36:</u>	Irritating to eyes.
<i>Riedel-de Haen</i>	<i>Lacrimating</i>
<u>R36A:</u>	
<u>R37:</u>	Irritating to respiratory system.
<u>R38:</u>	Irritating to skin.
<u>R39:</u>	Danger of very serious irreversible effects.
<u>R40:</u>	Possible risk of cancer. <i>CAUTION: Until 2001 this R-phrase was used for possible mutagenic or teratogenic risks as well. These risks are now labelled with R68!</i>
<u>R41:</u>	Risk of serious damage to eyes.
<u>R42:</u>	May cause sensitization by inhalation.
<u>R43:</u>	May cause sensitization by skin contact.
<u>R44:</u>	Risk of explosion if heated under confinement.
<u>R45:</u>	May cause cancer.
<u>R46:</u>	May cause heritable genetic damage.
<u>R47(obsolete):</u>	<i>May cause deformities. (This R-phrase is no longer designated by the version of the GefStoffV published on 26.10.93.)</i>
<u>R48:</u>	Danger of serious damage to health by prolonged exposure.
<u>R49:</u>	May cause cancer by inhalation.
<u>R50:</u>	Very toxic to aquatic organisms.
<u>R51:</u>	Toxic to aquatic organisms.
<u>R52:</u>	Harmful to aquatic organisms.
<u>R53:</u>	May cause long-term adverse effects in the aquatic environment.
<u>R54:</u>	Toxic to flora.
<u>R55:</u>	Toxic to fauna.
<u>R56:</u>	Toxic to soil organisms.
<u>R57:</u>	Toxic to bees.
<u>R58:</u>	May cause long-term adverse effects in the environment.
<u>R59:</u>	Dangerous for the ozone layer.
<u>R60:</u>	May impair fertility.
<u>R61:</u>	May cause harm to the unborn child.
<u>R62:</u>	Possible risk of impaired fertility.
<u>R63:</u>	Possible risk of harm to the unborn child.
<u>R64:</u>	May cause harm to breastfed babies.
<u>R65:</u>	Harmful: may cause lung damage if swallowed.
<u>R66:</u>	Repeated exposure may cause skin dryness or cracking.
<u>R67:</u>	Vapours may cause drowsiness and dizziness.
<u>R68:</u>	Possible risks of irreversible effects.


## COMBINATIONS OF R-PHRASES:



- R14/15: Reacts violently with water, liberating extremely flammable gases.
- R15/29: Contact with water liberates toxic, extremely flammable gas.
- R20/21: Harmful by inhalation and in contact with skin.
- R21/22: Harmful in contact with skin and if swallowed.
- R20/22: Harmful by inhalation and if swallowed.
- R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
- R21/22: Harmful in contact with skin and if swallowed.
- R23/24: Toxic by inhalation and in contact with skin.
- R24/25: Toxic in contact with skin and if swallowed.
- R23/25: Toxic by inhalation and if swallowed.
- R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
- R24/25: Toxic in contact with skin and if swallowed.
- R26/27: Very toxic by inhalation and in contact with skin.
- R27/28: Very toxic in contact with skin and if swallowed.
- R26/28: Very toxic by inhalation and if swallowed.
- R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed.
- R36/37: Irritating to eyes and respiratory system.
- R37/38: Irritating to respiratory system and skin.
- R36/38: Irritating to eyes and skin.
- R36/37/38: Irritating to eyes, respiratory system and skin.
- R39/23: Toxic: danger of very serious irreversible effects through inhalation.
- R39/24: Toxic: danger of very serious irreversible effects in contact with skin.
- R39/25: Toxic: danger of very serious irreversible effects if swallowed.
- R39/23/24: Toxic: danger of very serious irreversible effects through inhalation and in contact with skin.
- R39/23/25: Toxic: danger of very serious irreversible effects through inhalation and if swallowed.
- R39/24/25: Toxic: danger of very serious irreversible effects in contact with skin and if swallowed.
- R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
- R39/26: Very toxic: danger of very serious irreversible effects through inhalation.
- R39/27: Very toxic: danger of very serious irreversible effects in contact with skin.
- R39/28: Very toxic: danger of very serious irreversible effects if swallowed.
- R39/26/27: Very toxic: danger of very serious irreversible effects through inhalation and in contact with skin.
- R39/26/28: Very toxic: danger of very serious irreversible effects through inhalation and if swallowed.
- R39/27/28: Very toxic: danger of very serious irreversible effects in contact with skin and if swallowed.
- R39/26/27/28: Very toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
- R42/43: May cause sensitization by inhalation and skin contact.
- R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R48/21: Harmful: danger of serious damage to health by prolonged exposure in contact with skin.
- R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R48/20/21: Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin.
- R48/20/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
- R48/21/22: Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.
- R48/20/21/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
- R48/23: Toxic: danger of serious damage to health by prolonged exposure through inhalation.
- R48/24: Toxic: danger of serious damage to health by prolonged exposure in contact with skin.
- R48/25: Toxic: danger of serious damage to health by prolonged exposure if swallowed.
- R48/23/24: Toxic: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin.
- R48/23/25: Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
- R48/24/25: Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.
- R48/23/24/25: Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.





- 
- R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - R68/20: Harmful: possible risk of irreversible effects through inhalation.
  - R68/21: Harmful: possible risk of irreversible effects in contact with skin.
  - R68/22: Harmful: possible risk of irreversible effects if swallowed.
  - R68/20/21: Harmful: possible risk of irreversible effects through inhalation and in contact with skin.
  - R68/20/22: Harmful: possible risk of irreversible effects through inhalation and if swallowed.
  - R68/21/22: Harmful: possible risk of irreversible effects in contact with skin and if swallowed.
  - R68/20/21/22: Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

