

## Sustainable Public Procurement-fiche: advanced

### 1) *Subject matter*

Paper glue produced with environmentally friendly materials and by environmentally friendly processes.

“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)*

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### 4) *Technical specifications*

#### *General*

- The recipient of the glue is reclosable and at least composed of 50% by weight of recycled materials
- In the case of the use of raw materials of vegetable origin, those are not produced starting from matters resulting from genetically modified organisms.

#### *Dangerous products and preparations*

- The glue is not classified as harmful for the environment, very toxic, toxic, harmful to health, corrosive, irritant, allergenic, carcinogenic, harmful to the reproductive system, mutagenetic, explosive, oxidizing, extremely flammable, highly flammable or flammable (conform classification in accordance with the harmonized regulation in EU: EU's directive on dangerous substances and preparations 67/548/EEC and 1999/45/EEC with alterations and amendments) (see annex).
- The risk sentences R42 (may cause sensitization by inhalation) and/or R43 (may cause sensitization by skin contact) don't apply to the glue (in accordance with directive 1999/45/EG). (see annex)
- The ingredients of the glue necessary for the production do not contains:



more than 0,1% by weight of substances that are classified or can be classified at the moment of the application as allergenic, carcinogenic, mutagenic, toxic to the reproductive system, harmful for the environment (and labelled by R50 and R53) in accordance with the EU's directive 67/548/EEC with alterations and amendment (see annex).

- The content of nonylphenol ethoxylate in the glue is less than 0,1% by weight.
- The content of aromatic solvents in the glue is less than 250ppm.
- The content of halogenated solvents in the glue is less than 250ppm.
  
- The content of free formaldehyde in the glue is less than 500ppm.
- These ethers of glycol are not intentional added in the formulation of the glue:
  - o 2-Methoxyethanol (CAS 109-86-4),
  - o 2-Methoxyethanol acetate (CAS 110-49-6),
  - o 2-Ethoxyethanol (CAS 110-80-5),
  - o 2-Ethoxyethyl acetate (CAS 111-15-9),
  - o 2-(2-Methoxyethoxy) ethanol (CAS 111-77-3),
  - o 2-(2-Ethoxyethoxy) ethanol (CAS 111-90-0).
- No intentional addition of those phthalates in the formulation of the glue or in the recipient: DINP, DEHP, DBP, DIDP, DNOP et BBP (conform the Commission Decision 1999/815/EC of 7 December 1999 adopting measures prohibiting the placing on the market of toys and childcare articles intended to be placed in the mouth by children under three years of age made of soft PVC containing phthalates and modified by the decision 2004/624/CE).
- No intentional addition of mercury, lead, cadmium, hexavalent chromium or their components in the formulation of the glue.

#### ***Adhesives and preservatives***

- Concerning to the synthetical adhesives: the content of residual monomer is less than 1mg of residual monomer/ g adhesive.
- Concerning the preservatives and adhesives: no intentional addition of bioaccumulable substances.
- The adhesives don't contain more than 0.5% by weight of VOS.

#### ***Dyes and color agents***

- The used dyes and color agents are authorized by the council directive 76/768/CEE concerning cosmetic products and his amendments and modifications.

#### ***Fragrance substances***

- Fragrance substances or perfumes don't contain nitro-musk or polycyclic musks.
- If the glue contain one or more of those perfumes: amylcinnamal, benzylic alcohol, cinnamyl alcohol, citral, eugenol, hydroxycitronellal, isoeugenol, beta-pentyl cinnamyl alcohol, benzyl salicylate, cinnamal, coumarine, geraniol, 4-(4-hydroxy-4-methylpentyl)- cyclohex-3-enecarbaldehyde this is clearly mentioned on the package. [

#### ***Packaging***



- The packaging has to be at least composed of 80% mass recycled materials.
- The packaging consists of maximum 2 materials that are easily separable.
- Plastic parts of the packaging are marked in compliance with ISO 1043, Parts 1 to 4.

**Evidence:**

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



NF Environnement

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:**

|   | <i>Criterion</i>  | <i>Weight</i> |
|---|---|---------------|
| 1 | <b>Price</b><br><br><i>Calculation (e.g.):</i> Lowest offered price/ stated price x 0,70  | e.g. 70%      |
| 2 | <b>Environmental criteria</b><br>(The public authority formulates the points it wants to assign to the below mentioned criteria )<br><br><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**

**General**

- The recipient is refillable.

**Packaging**

- The packaging is composed of one homogeneous material.



**6) Performance clauses:**

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|                   |
|-------------------|
| <b>References</b> |
|-------------------|

[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  |
| <i>R13 (obsolete):</i>       | <i>Extremely flammable liquid gas<br/>(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 R27AK:</i> | <i>Also very toxic in contact with eyes.</i>   |
| <u>R28:</u>                  | Very toxic if swallowed.   |
| <i>Riedel-de Haen R28K:</i>  | <i>Also very toxic if swallowed.</i>   |
| <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 R36A:</i> | <i>Lacrimating</i>  |
| <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.<br><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.   |
| <i>R47(obsolete):</i>       | <i>May cause deformities.<br/>(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.

