Supplemental Table 1. The amount of nanomaterials used

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| --- | --- | --- | --- |
| Ranking | Nanomaterials | Amount (Ton/Year) | Use |
|  | Total | 8,704.6 |  |
| 1 | SiO2 | 4,779.6 | Packaging, cosmetics, etc |
| 2 | TiO2 | 3,902.2 | Paints, construction materials, coatings, cosmetics, etc |
| 3 | ZnO | 12.5 | Fabrics, home appliances, paints, inks, etc |
| 4 | CNT | 3.0 | Fabrics, electrical appliances, household items, sporting goods, etc |
| 5 | Ag | 0.3 | Packaging, fabrics, household items, sporting goods, paints, inks, etc |

<Source, A research on nanomaterial inventory establishment scheme, Ministry of Environment, 2010>

NSTC (National Science and Technology Commission) (2011), The First Nanosafety Management Master Plan (2012-2016), National Science and Technology Commission, Seoul, Korea (in Korean), http://www.nnpc.re.kr/knowledge/nano\_policy/19/view?p\_page=1&p\_pagesize=10&o\_field=&o\_direction=&s\_type=&s\_keyword=&s\_category= accessed 1/23/2016