



Postboks 434, N-8601 Mo i Rana  
Tel.: +47 751 37 300, Fax: +47 751 37 302  
e-mail: [market@ranagruber.no](mailto:market@ranagruber.no)  
http: [www.ranagruber.no](http://www.ranagruber.no), [www.colorana.com](http://www.colorana.com)

## **COLORANA® CM-products** **Black Iron Oxide**

### **Substance 215-277-5: Triirontetraoxide, Fe<sub>3</sub>O<sub>4</sub>, Black Iron Oxides**

The substance is not classified as dangerous according to the criteria of the Dangerous Substances Directive (67/548/EEC). Specific Risk Management Measures are therefore not required (ECHA Chapter R12: PROC, AC and ERC can be discarded).

Nevertheless, the exposure of workers during and after normal operations should be minimized by the use of good industrial hygiene practice, the general measures necessary for safety and health protection of workers should be followed.

Identified uses for the three categories: 1.) Uses by workers in industrial settings; 2.) Uses by professional workers; 3.) Uses by consumers

#### **Sector by End Use (ECHA Chapter R12: "Use descriptor system"):**

SU1 Agriculture, forestry, fishery.  
SU2a Mining (without offshore industry).  
SU2b Offshore industries.  
SU3 Industrial manufacturing (all).  
SU4 Manufacture of food products.  
SU5 Manufacture of textile, leather.  
SU6a Manufacture of wood and wood products.  
SU6b Manufacture of pulp, paper and paper products.  
SU7 Printing and reproduction of recorded media.  
SU8 Manufacture of bulk, large scale chemicals.  
SU9 Manufacture of fine chemicals.  
SU10 Formulations of preparations and/or re-packing.  
SU11 Manufacture of rubber products.  
SU12 Manufacture of plastic products.  
SU13 Manufacture of other non-metallic mineral products.  
SU15 Manufacture of fabricated metal products, except machinery and equipment.  
SU16 Manufacture of computer, electronic...  
SU17 General manufacturing.  
SU18 Manufacture of furniture.  
SU19 Building and construction work.  
SU20 Health service.  
SU21 Private households (consumers).  
SU22 Public domain.  
SU23 Electricity, steam, gas water supply and sewage treatment.  
SU24 Scientific research and development.

#### **Market Sector by Type of Chemical Product (ECHA Chapter R12: "Use descriptor system"):**

PC1 Adhesives, Sealants  
PC3 Air care products  
PC5 Artists supply and Hobby products  
PC6 Automotive care products  
PC9a Coatings  
PC9b Fillers, putties, plasters, modelling clay  
PC9c Fingerprints  
PC10 Building and construction preparations  
PC12 Fertilizers  
PC15 Non-metal surface treatment products  
PC18 Inks and toners  
PC19 Intermediate  
PC21 Laboratory chemicals  
PC23 Leather tanning, dye, finishing, impregnation, care products.  
PC24 Lubricants, grease, release products  
PC25 Metal working fluids  
PC26 Paper and board dye  
PC27 Plant production products  
PC28 Perfumes and fragrances  
PC29 Pharmaceuticals  
PC31 Polishes and wax blends  
PC32 Polymer preparations and compounds  
PC 34 Textile dyes, finishing and impregnation products, inc. Bleaches and other processing aids  
PC35 Washing and Cleaning products  
PC37 Water treatment chemicals  
PC38 Welding and soldering products  
PC39 Cosmetics, personal care products