

WAND Minerals, Mining and Drilling Taxonomy



The WAND Minerals, Mining and Drilling Taxonomy covers products and services relating to the mining and drilling industries. Coverage includes ores, mineral fuels, petroleum and petroleum products, stone, mining and drilling equipment and associated services.

Unstructured data is believed to account for 80 to 85% of a typical organization's internal information. Company documents, articles, spend data, and other unstructured information needs to be quickly and easily accessible by your organization's employees. A company's products and service are its backbone and a high-quality and well-structured vocabulary of the standard product and service terms that are important to your company is crucial for your employees to unlock the value of unstructured data in your company.

Applications

The WAND Minerals, Mining and Drilling Taxonomy can be licensed and integrated into your existing intranet, content management application, spend management system, spend analysis application, knowledge management portal, or any other application that would benefit from the power of a robust taxonomy-based search.

Unstructured information from a variety of repositories can be consistently organized and searched by:

- Relevant and intuitive product and service categories
- Hierarchical drill-down browsing
- Numerous slices or segments of the taxonomy
- Related terms which may link to previously unknown information
- Filtered Search
- Any combination of taxonomy pathways which funnel the users to the information they need

Structure and Delivery

The WAND Minerals, Mining and Drilling taxonomy consist of a controlled vocabulary of terms with multiple relationships such as hierarchical parent-child relationships, related terms, and synonyms. Many of the terms are associated to attribute and attribute value templates for specification based descriptions. Language translations of the product and service terms (not attributes/attribute values) are available in English, French, German, Spanish, Italian, Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean, and Vietnamese. The Taxonomy is cross-mapped to many alternate classification systems including UNSPSC, NAICS, SIC, Harmonized Codes and Standard Yellow Page headings

Data can be delivered in a variety of format, including XML files, Access Database files, and csv, and is delivered via a password protected FTP site.

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Data Points:

- Total Product and Service Terms: 1,413
- Total Feature Values: 7,756
- Total Option Values: 55,958

(As of April 29, 2008)

Includes the following top level headings:

Asbestos Products
Bitumens
Carbonate Group
Drilling Equipment
Fossil Fuels
Gemstones
Halide Group
Iron and Steel Manufacturing Waste
Mineral Tars
Mineral Working Machines
Mineraloids
Minerals
Mining and Drilling Services
Mining Equipment
Ores
Oxide Group
Petroleum Products
Petroleum Refining Equipment and Supplies
Phosphate Group
Pipeline Equipment
Sulfate Group
Sulfide Group
Sulfur (Industrial Mineral)

Example of the WAND Minerals, Mining and Drilling Taxonomy:

- Small Scale Mining Equipment

- Coal Cutting Machines**
 - Synonyms / Non-Preferred Term(s):
 - Longwall Shears
 - Related Term(s):
 - Rock Cutting Machines
 - Coal Cutting Machine Parts**
- Coal Planers**
- Continuous Mining Machines**
 - Features & Options**
 - 01 Width**
 - 01 Less Than 18 Inches
 - 02 18 to 36 Inches
 - 03 Greater Than 36 Inches
 - 02 Spindle RPM**
 - 01 Less Than 5000 Revolutions per Minute
 - 02 5000 to 7000 Revolutions per Minute
 - 03 Greater Than 7000 Revolutions per Minute
 - 03 Standard Feed Range**
 - 01 Less Than 30 Feet per Minute
 - 02 30 to 70 Feet per Minute
 - 03 Greater Than 70 Feet per Minute
 - 04 Top Motor**
 - 01 Less Than 12 Horsepower
 - 02 12 to 20 Horsepower
 - 03 Greater Than 20 Horsepower
 - 05 Feed Motor**
 - 01 Less Than 4 Horsepower
 - 02 4 to 8 Horsepower
 - 03 Greater Than 8 Horsepower