

Freedonia Market Research

FILE DESCRIPTION

Freedonia Market Research contains the full text of studies/reports published by The Freedonia Group, Inc. Included are Freedonia's Studies and Corporate Intelligence Reports. Coverage includes comprehensive analyses of industries and products in a variety of industrial sectors. Geographically, 80% of the studies deal with the U.S., 10% with the U.S. and Canada, and the remaining 10% with the world, by country. Each study contains analysis of the economic environment, products and technology, end-use markets, marketing patterns, channels of distribution, competitive strategies, industry structure and market share, and company profiles of leading participants. Also included are analyses and tables of detailed product/market data (historical, as well as forecasts).

Many reports from December 2006 forward have graphs, charts, and other embedded images that can be viewed when searching via DialogWeb, DialogClassic, or DialogLink5.

SUBJECT COVERAGE

- Advanced Materials
- Chemicals
- Communications
- Construction & Building Materials
- Environment
- Health Care & Medical Products
- Household Goods
- Industrial Components & Equipment
- Packaging
- Plastics
- Security Systems
- Transportation

TIPS

USE FILE 763

to track the latest market trends in the consumer marketplace.

EXPAND MT=

to see a complete list of reports included in the file.

USE DIALOGWEB,

DIALOGLINK5, or DialogClassic to view images embedded in reports.

USE SF=TABLE

to locate records that contain tables or exhibits.

USE CO=

to locate a company name mentioned in an individual report.

USE REPORT TITLES

to gather all records together for an individual report.

DIALOG FILE DATA

Inclusive Dates: June 1990 to the April 2011

Update Frequency: Suspended

File Size: 495,076 records as of April 2011

CONTACT

Freedonia Market Research is produced by The Freedonia Group, Inc. Questions concerning file content should be directed to:

The Freedonia Group, Inc.

Customer Service

767 Beta Drive

Cleveland, OH 44143-2326

Phone: 440-646-0809

Fax: 440-646-0484

SAMPLE RECORD

DIALOG(R)File 763: FREEDONIA MARKET RES.
(c) 2007 FREEDONIA GROUP INC. All rights reserved.

/TI 0000401345 Report ID: 2185
Nanotechnology Overview - Size

/MT,MT= Main Title: NANOTECHNOLOGY IN CONSTRUCTION TO 2011
SE= Section: MARKET ENVIRONMENT - NANOTECHNOLOGY IN
CONSTRUCTION TO 2011

CS= Source: The Freedonia Group, Inc.
Pub. Date: May 2007

PY= Pub. Year: 2007

PD= Full Date: 200705
Telephone: 440-684-9600

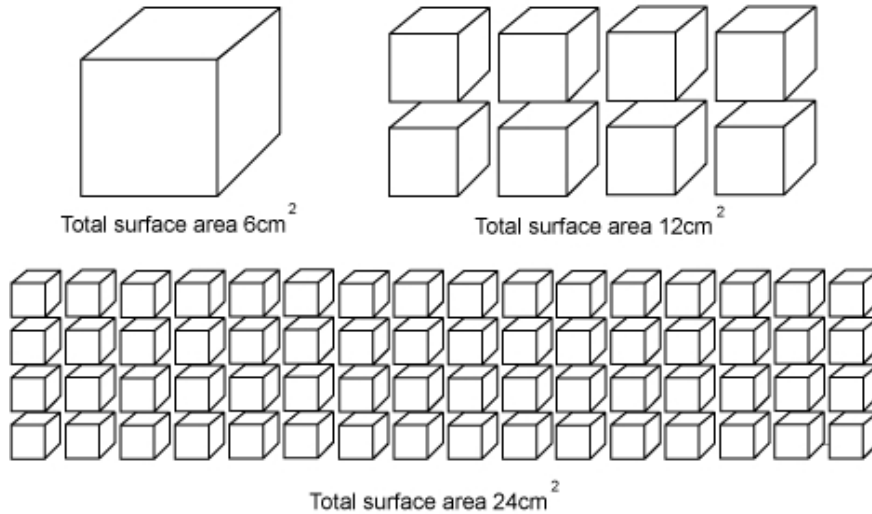
WD= Word Count: 154 (1 pp.)
LA= Language: ENGLISH

/TX Text:
As mentioned above, in most contexts the nanoscale is defined as ranging
from about 1 to 100 nanometers. Because this is so much smaller than
materials with which most people come into contact, some points of
reference are offered. One nanometer is approximately 1/80,000 the width of
a human hair. One million nanometers is about the width of a small ant, and
one billion nanometers is about the height of a small child.
While such comparisons are illustrative of the tiny scale inhabited by
nanomaterials, these comparisons do not offer much explanation of how
nanomaterials compare in size with conventional materials. One of the most
important differences between nanomaterials and their conventional scale
counterparts is in terms of the ratio between the particle surface area and
volume. The following illustration demonstrates that a cubic object divided
into 64 equal cubic parts offers four times more surface area at the same
volume.

SURFACE AREA-TO-VOLUME COMPARISON

CHART II-1

SURFACE AREA-TO-VOLUME COMPARISON



Source: The Freedonia Group, Inc.

THIS IS THE FULL-TEXT.
Copyright: The Freedonia Group, Inc.

SF= Features: Image
/CN,CN= Country: United States
/DE,IN= Industry: Building & Construction; Chemicals

SAMPLE RECORD (cont'd)

All records comprising a report can be grouped together with the REPORT TITLES command, e.g., REPORT S1/TITLES.

File 763:FREEDONIA MARKET RES. 1990-2007/MAY
 (c) 2007 FREEDONIA GROUP INC.

| Set | Items | Description |
|----------|-------------------|---|
| --- | ---- | ----- |
| ? s | nanotechnology/mt | |
| | S1 | 735 NANOTECHNOLOGY/MT |
| ? report | s1/titles | |
| | DIALOG(R) | ONLINE TABLE OF CONTENTS LIST OF REPORT TITLES |

ITEM NUMBER, MAIN TITLE

- | ITEM NUMBER | MAIN TITLE |
|-------------|--|
| ----- | ----- |
| 1 | NANOTECHNOLOGY IN CONSTRUCTION TO 2011 F0763: The Freedonia Group, Inc. May 2007/163 records |
| 2 | NANOTECHNOLOGY IN HEALTH CARE TO 2011 F0763: The Freedonia Group, Inc. February 2007/286 records |
| 3 | NANOTECHNOLOGY IN HEALTH CARE TO 2009 F0763: THE FREEDONIA GROUP, INC. May 2005/286 records |

Last Page of 3 Items
 Enter one item number, P- for previous page,
 P to start again at first menu, or EXIT to leave TITLES:

SEARCH OPTIONS

BASIC INDEX

| SEARCH SUFFIX | DISPLAY CODE | FIELD NAME | INDEXING | SELECT EXAMPLES |
|---------------|--------------|---------------------------|----------|----------------------------------|
| — | — | All Basic Index Fields | Word | S CONVENTIONAL(W)SCALE |
| /CN | CN | Country Name ¹ | Word | S UNITED(W)STATES/CN |
| /DE | DE | Industry Description | Word | S CHEMICALS/DE |
| /MT | MT | Main Title ¹ | Word | S NANOTECHNOLOGY?(MT) |
| /TI | TI | Section and Subtitle | Word | S (NANOTECHNOLOGY(W)OVERVIEW)/TI |
| /TX | TX | Text | Word | S NANOMATERIAL?(3N)SCALE/TX |

¹ Searchable in the Basic Index and in the Additional Indexes.

ADDITIONAL INDEXES

| SEARCH PREFIX | DISPLAY CODE | FIELD NAME | INDEXING | SELECT EXAMPLES |
|---------------|--------------|---------------------------|----------|--------------------------------------|
| — | AN | DIALOG Accession Number | | |
| CN= | CN | Country Name ¹ | Phrase | S CN=UNITED STATES |
| CS= | CS | Source of Data | Phrase | S CS=THE FREEDONIA GROUP, INC. |
| IN= | IN | Industry Description | Phrase | S IN="BUILDING & CONSTRUCTION" |
| LA= | LA | Language | Phrase | S LA=ENGLISH |
| MT= | MT | Main Title ¹ | Phrase | S MT=NANOTECHNOLOGY IN CONSTRUCTION? |
| PD= | PD | Publication Date | Phrase | S PD=200705 |
| PY= | PY | Publication Year | Phrase | S PY=2007 |
| SE= | SE | Section Name | Phrase | S SE=MARKET ENVIRON? |
| SF= | SF | Special Feature | Phrase | S SF=IMAGE |
| UD= | — | Update | Phrase | S UD=9999 |
| WD= | WD | Word Count ² | Phrase | S WD>=150 |

² For searching, numbers are rounded down to the two left-most significant digits. Use numeric operators (>, <, >=, <=) to search a range of values.

SPECIAL FEATURES

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK online.

| | | |
|--------------|---|--|
| LIMIT | /NONUS -- Report has a non-U.S. focus /US -- Report focuses on U.S. /YYYY -- Publication Year | S S3/NONUS S S3/US S S2/2007 |
| SORT | AN, CN, CS, IN, MT, PD, PY, SE, TI, WD | SORT S1/ALL/TI PRINT S5/5/1-24/PD,D |
| RANK | All phrase- and numeric-indexed fields in the Additional Indexes can be ranked. | RANK CN S3 |

PREDEFINED FORMAT OPTIONS

| NO. | DIALOGWEB FORMAT | RECORD CONTENT |
|-----|------------------|---|
| 1 | -- | DIALOG Accession Number |
| 2 | -- | Full Record except Text |
| 3 | Medium | Bibliographic Citation |
| 5 | Long | Full Record |
| 6 | Free | Main Title, Title, Publication Date, Section Name, and Word Count |
| 8 | -- | Main Title, Title, Publication Date, Section Name, Country Name, Company Name, Word Count, and Indexing |
| 9 | Full | Full Record |
| K | -- | KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats |

OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP PREFORM, HELP UDF, HELP TAG online.

| | | |
|-----------------------------|---|---|
| REPORT TITLES | All records comprising a report can be grouped together with the REPORT TITLES command. | REPORT S1/TITLES |
| USER DEFINED FORMATS | User-defined formats can be specified using the display codes indicated in the Search Options tables. | TYPE S3/TI,MT/1-5 |
| TAG | TAG can be used for tagged fields. | TYPE S3/5/1-10 TAG |
| DIRECT RECORD ACCESS | DIALOG Accession Number | TYPE 00060220/3 DISPLAY 00014483/TI,MT PRINT 00005964/9 |

FOR ONLINE HELP:

See HELP FIELDS 763 for searchable fields; HELP FORMAT 763 for output formats; HELP LIMIT 763 for limits; HELP RATES 763 for cost information; HELP SORT 763 for sorts.