

Literature Survey Report
on
Diniobium pentaoxide (CAS No. 1313-96-8)

Sponsor:

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Survey sources

The following databases and search engines were screened for relevant physicochemical, toxicological and pharmacological information on either CAS No. or synonyms (Diniobium pentaoxide, Diniobpentoxid, Diniobiumpentoxide):

- STNeasy
- Toxnet
- BGIA-Gestis-Stoffdatenbank
- HSDB data bank
- ChemID database
- Toxic Substance Control Act Test Submission Database (TSCATS)
- Scorecard Chemical Profiles
- HERA Homepage
- FDA Homepage
- EPA Homepage
- NHIS Homepage
- Agency for toxic Substances (ATSDR) Homepage
- Dept. of Env., Water, Heritage and the Arts Homepage (Australia)
- Center for Disease Control (CDC)
- Drug Master File Search
- PAN – Pesticide Database
- BIBRA Tox Profiles
- National Toxicology program (NTP)

Conclusions

Literature providing guideline-conform data to cover the different endpoint required by REACH could not be found. In most cases the studies were completely out of scope. The only potentially interesting report (acute tox) was written in Russian and could not be ordered.

Physico-chemical parameters:

A search on the web generated the following results:

Source: http://www.webelements.com/compounds/niobium/diniobium_pentaoxide.html

Melting point: 1460°C; 1512°C

Density: 4.6 g cm⁻³