

**Vanadium dioxide**  
**EINECS No. 234-841-1; CAS No. 12036-21-4**

The purpose of the Pre-SIEF is for REACH Pre-Registrants to agree upon '**sameness**' of substance.

Pre-registrants that agree upon the sameness of substance will then pass into the Substance Information Exchange Forum (SIEF) for that substance, where the data-sharing discussion begins and is coordinated by the SIEF Facilitator.

All pre-registrants for **vanadium dioxide** have received an e-mail to participate in the 'Substance Sameness' discussion. Your response to that survey is your participation in the Pre-SIEF 'sameness' discussion. **If you would like to receive the 'Substance Sameness' survey**, please contact the [Vanadium Consortium](http://www.vanadiumconsortium.com). **The typical composition for this substance can be checked below.**

<b>Substance</b>	<b>Vanadium dioxide</b>
Chemical Formula	VO <sub>2</sub>
CAS Number	12036-21-4
EINECS Number	234-841-1
Molecular weight (g/mol)	82.9
<b>Typical composition</b>	<b>Mass (%)</b>
Purity	min. 96
Vanadium	min. 59
Arsenic	≤ 0.01
Chromium	≤ 0.05
Lead	≤ 0.01
Aluminum	≤ 0.03
Boron	≤ 0.01
Calcium	≤ 0.05
Carbon	≤ 0.05
Iron	≤ 0.08
Molybdenum	≤ 0.05
Niobium	≤ 0.01
Nitrogen	≤ 0.05
Phosphorus	≤ 0.06
Potassium	≤ 0.8
Silicon	≤ 0.08
Sodium	≤ 0.8
Sulfur	≤ 0.4
Tantalum	≤ 0.01
Tungsten	≤ 0.01
Other impurities	≤ 0.01

The REACH Vanadium Consortium, Auer von Welsbach Straße 1, A-9330 Althofen, Austria, [www.vanadiumconsortium.com](http://www.vanadiumconsortium.com) is a voluntary industry scheme that invites all organisations and individuals involved in the vanadium business, which have a current or future interest in the European market, to join the consortium.