

This page has been created on 06/02/09.

### Nickel (hydroxy)carbonate


EINECS No. 232-104-9 CAS No. 7786-81-4

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

Pre-Registrants that can agree that they have the same substance will then pass into the Substance Information Exchange Forum (SIEF) for this substance, where the data-sharing dialogue begins.

Pre-Registrants that consider they do not have the same substance will be grouped together by the Pre-SIEF Facilitator for further discussion and potential entry into sub-SIEFs or another SIEF.

**Please check that your pre-registered substance matches with the following description:**

CAS No.:	12122-15-5	12607-70-4	3333-67-3
EINECS No.:	-	235-715-9	222-068-2
IUPAC Name:	pentanickel dicarbonate hexahydroxide	trinickel monocarbonate tetrahydroxide	Nickel carbonate
Synonyms:		Basic nickel carbonate;	<u>Nickel carbonate</u> <u>Basic nickel carbonate</u> <u>Carbonic acid, nickel (2+) salt</u> <u>Carbonic acid, nickel salt</u> <u>[μ-[carbonato(2-)-O:O']]</u> <u>dihydroxy trinickel</u> <u>[carbonato(2-)]</u> <u>tetrahydroxytrinickel</u>
Molecular formula:	C <sub>2</sub> H <sub>6</sub> Ni <sub>5</sub> O <sub>12</sub>	CH <sub>4</sub> Ni <sub>3</sub> O <sub>7</sub>	CH <sub>2</sub> O <sub>3</sub> .Ni
Structural formula:	2NiCO <sub>3</sub> .3Ni(OH) <sub>2</sub> (2:3)	NiCO <sub>3</sub> .2Ni(OH) <sub>2</sub> (1:2)	
Molecular weight:	515.52	304.12	118.70

This risk assessment and the Nickel REACH consortia cover the commercially produced “nickel carbonate” as it is put on the market. The conclusions of this risk assessment with regard to hazard identification cover all relevant nickel carbonates and hydroxycarbonates.

Typical composition	
Parameter/components	In % (mass)
Nickel	48-57
Carbon	2-10
Calcium	<0.02
Cadmium	<0.0001
Chlorine	<.05
Cobalt	<0.0005
Chromium	<0.0005
Copper	<0.0005
Iron	<0.003
Potassium	<0.001
Magnesium	<0.05
Manganese	<0.0005
Sodium	<0.05
Lead	<.0005
Sulfur	<0.02
Zinc	<0.0005

You will shortly receive an E-mail for you to take part in the ‘**Substance Sameness Survey**’. Your response to that survey will be your participation in the Pre-SIEF ‘sameness’ discussion.