

1. Identification

Product Code **CN3100-52**

Product Name **NICKEL CARBONATE BASIC**

Molecular Formula $\text{NiCO}_3 \cdot 2\text{Ni}(\text{OH})_2 \cdot 4\text{H}_2\text{O}$ = 376.23

CAS Number 3333-67-3

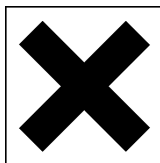
Supplier:  **BEECROFT & PARTNERS**
Northfield Road
Rotherham
South Yorkshire

Phone 01709-377881
Fax 01709-369264

Emergency Telephone 08:30-1700 01709-377881
24hr 112
(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Nickel compounds, inorganic, insoluble	3333-67-3	222-068-2	80.0%	Xn N : R22,R40,R43,R50/53 :Carc.Cat 3	MEL

3. Hazards Identification

Harmful if swallowed. Limited evidence of carcinogenic effect May cause sensitisation by skin contact. Very Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Carcinogen category: 3

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Remove contaminated clothing immediately and wash before re-use. Thoroughly wash off skin with soap and water. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. Keep warm and at rest.

Ingestion Induce vomiting. OBTAIN MEDICAL ATTENTION URGENTLY. If unconscious place in the recovery position.

5. Fire Fighting Measures

Hazards Emits toxic fumes under fire conditions.

Extinguishing Media Water spray.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection Evacuate area immediately. Avoid breathing dust-wear respiratory protective equipment. Do not allow general use of area until it is safe to do so.

6. Accidental Release Measures (continued)

Enviromental	Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.
Storage Conditions	Well ventilated, cool, dry storage .

8.1 Occupational Exposure Limits

Component	CAS No	Occupational Exposure Standard				Maximum Exposure Limits			
		Long Term		Short Term		Long Term		Short Term	
		ppm	mg m-3	ppm	mg m-3	ppm	mg m-3	ppm	mg m-3
Nickel compounds, inorganic, insoluble	3333-67-3	-	-	-	-	-	0.5000	-	-

8.2 Personal Protection

Respiratory	Wear ori-nasal face mask with requisite dust/mist cartridge fitted.
Hands	Wear rubber gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Wear PVC oversuit. Wear boots made of PVC.

9. Physical & Chemical Properties

Appearance	Pale green powder.
Odour	Odourless.
pH	Not available
Boiling point	Not available
Melting point	Not available
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Presure	Not available
Relative Density	Not available
Water Solubility	Insoluble in water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Avoid exposure to heat.
Materials to Avoid	Acids.
Hazardous Decomposition Products	In combustion emits toxic fumes.

11. Toxicological Information

Eyes	Not specified.
Skin	Not specified.
LD50 Skin	Not available
Ingest	Not specified.
LD50 Ingest	1044 mg/kg (rat)
Inhalation	The powder may cause cancer.
Carcinogenicity	Carcinogen by inhalation.
Mutagenicity	Not specified.
Reproductive Effects	No information is available.

12. Ecological

Nickel salts are harmful to the environment. Very Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment.

13. Disposal Considerations

Disposal Methods	Material is a toxic carcinogen. Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Contaminated Packaging	Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

14. Transport Information

Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

15. Regulatory Information

Labelling	Harmful, Dangerous for the Environment.
Classification	

Label Symbols	Xn	N
		

Risk & safety Phrases	Harmful if swallowed. Limited evidence of carcinogenic effect May cause sensitisation by skin contact. Very Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Keep out of reach of children. Do not breath dust. Wear suitable protective clothing and gloves. This material and/or its container must be disposed of as hazardous waste. Avoid release to the environment, refer to special instructions/safety data sheet. Carcinogen category: 3
EEC Number	222-068-2

16. Other Information

Document Information This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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