

ENGELHARD CORPORATION,ENGINEERED MTLs DIVISION -- NICKEL CARBONATE --  
6810-01-016-1806

===== Product Identification =====

Product ID:NICKEL CARBONATE

MSDS Date:04/22/1989

FSC:6810

NIIN:01-016-1806

MSDS Number: BGVRZ

=== Responsible Party ===

Company Name:ENGELHARD CORPORATION,ENGINEERED MTLs DIVISION

Address:29001 SOLON ROAD

City:SOLON

State:OH

ZIP:44139

Country:US

Info Phone Num:216-292-9200

Eme

rgency Phone Num:216-292-9200

CAGE:23036

=== Contractor Identification ===

Company Name:ENGELHARD CORP.

Address:6801 COCHRAN DR

Box:City:SOLON

State:OH

ZIP:44139

Country:US

Phone:216-349-7300

CAGE:0FDV7

Company Name:ENGELHARD CORPORATION

Address:29001 SOLON ROAD

City:SOLON

State:OH

ZIP:44139

Country:US

Phone:216-292-9200

CAGE:23036

===== Composition/Information on Ingredients =====

Ingred Name:NICKEL CARBONATE

CAS:3333-67-3

RTECS #:QR6200000

Fraction by Wt: 60-100%

Other REC

Limits:NONE.  
OSHA PEL:1 MG/M3 (NI)  
ACGIH TLV:1 MG/M3 (NI); 8990

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:SEE SIGNS AND SYMPTOMS OF  
OVEREXPOSURE.  
Explanation of Carcinogenicity:NICKEL COMPOUNDS:ANTICIPATED CARCINOGEN  
BY NTP,PROBABLE HUMAN CARCINOGEN BY IARC.  
Effects of Overexposure:EYES:IRRITATION. SKIN:IRRITATION,  
ALLERGIC  
SENSITIZATION ACCENTUATED BY HEAT AND HUMIDITY. INHALATION:UPPER  
RESPIRATORY IRRITATION,ASTHMA,BRONCHITIS,SHORTNESS OF BREATH OR  
WHEEZING. INGESTION:HARMFUL.  
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF  
RESPIRATORY OR SKIN CONDITIONS MAY BE AT INCREASED RISK.

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===== First Aid Measures =====

First Aid:EYES:FLUSH WITH PLENTY OF WATER.IF IRRITATION PERSISTS,SEE  
DOCTOR. SKIN:REMOVE CONTAMINATED CLOTHING.WASH WITH  
SOAP AND  
WATER.IF IRRITATION PERSISTS SEE DOCTOR. INHALATION:REMOVE TO FRESH  
AIR.GIVE CPR /OXYGEN IF NEEDED.SEE DOCTOR. INGESTION:DRINK LARGE  
AMOUNT OF WATER,INDUCE VOMIT IMMEDIATELY.SEE DOCTOR.

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===== Fire Fighting Measures =====

Extinguishing Media:WATER,CARBON DIOXIDE OR FOAM.  
Fire Fighting Procedures:SMALL FIRES:WEAR NIOSH/MSHA APPROVED  
RESPIRATOR FOR CHEMICAL DUSTS. LARGE FIRES:WEAR SCBA.  
Unusual Fire/Explosion Hazard:NONE.

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===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE.CLEAN UP USING METHODS THAT AVOID  
DUST GENERATION SUCH AS VACUUM,WET DUST MOP OR WET CLEAN UP AND  
PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER.IF DUST IS  
GENERATED USE NIOSH/MSHA APPROVED RESPIRATOR WITH DUST CARTRIDGE.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED  
AREA.PROTECT FROM PHYSICAL DAMAGE

GE.AVOID ANY PHYSICAL CONTACT.KEEP  
CONTAINERS TIGHTLY CLOSED.

Other Precautions:PERIODIC MEDICAL EXAMINATIONS ARE RECOMMENDED FOR  
INDIVIDUALS REGULARLY EXPOSED TO DUST OR MIST.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA-APPROVED RESPIRATOR WITH DUST  
CARTRIDGE IF TLV IS EXCEEDED.

Ventilation:LOCAL EXHAUST TO MAINTAIN EXPOSURE LEVEL BELOW TLV.

Protective Gloves:RUBBER OR NEOPRENE.

Eye Protection:SAFETY GLASSES W/SIDE SHIE  
LD OR GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS NECESSARY TO MINIMIZE  
SKIN CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.DO NOT SHAKE  
CLOTHING.REMOVE DUST BY WASHING OR VACUUMING.

Supplemental Safety and Health  
NONE.

===== Physical/Chemical Properties =====

HCC:N1

Spec Gravity:2.6

Solubility in Water:SLIGHTLY SOLUBLE

Appearance and Odor:GREEN POWDER. ODORLESS.

Percent Volatiles by Volume:0

===== Stability and  
Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
NONE.

Hazardous Decomposition Products:NONE.

===== Disposal Considerations =====

Waste Disposal Methods:NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER. KEEP IN  
COVERED CONTAINERS PENDING DISPOSAL.DISPOSE OF IN ACCORDANCE WITH  
FEDERAL.STATE AND LOCAL REGULATIONS. MAY BE SOLD AS SCRAP FOR  
RECLAIM.

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