

HAYNES International		SAFETY DATA SHEET																			
SAFETY DEPARTMENT 1020 WEST PARK AVENUE KOKOMO, INDIANA 46904-9013 INFORMATION: 765-456-6714		HAYNES INTERNATIONAL, INC.																			
PRODUCT IDENTIFICATION: Dust Collector Dust	PREVIOUS REVISION DATE November 6, 2015 DATE REVISED July 30, 2026	HMIS Health 3* Flammability 1** Reactivity 1** *Chronic effects ** Sections 9, 10	EMERGENCY PHONE NUMBERS HAYNES: 765-456-6894 CHEMTREC: 800-424-9300 (24-hour contact for Health & Transportation Emergencies)																		
This Safety Data Sheet (SDS) provides information on a specific metal by-product. Because Dust Collector Dust is a by-product from the manufacture of many different alloys, the specific constituent composition varies from batch to batch. Therefore, the ingredients are listed as a range of composition. This document was prepared to meet the requirements of OSHA's Hazard Communication Standard, 29 CFR 1910.1200, and the Globally Harmonized System (GHS) of Classification and Labelling of Chemicals.																					
1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION																					
SUBSTANCE NAME: Dust Collector Dust																					
Description: Recovered metal																					
General Use: Recycled to reclaim metal content																					
HAYNES is a registered trademark of Haynes International, Inc.																					
2. HAZARDS IDENTIFICATION																					
GHS Hazard Classification and Label Elements																					
DANGER — Acute toxicity, oral (Category 3) Skin sensitization, (Category 1) Respiratory sensitization (Category 1) Skin irritation, (Category 3) Serious eye irritation (Category 2A) Germ cell mutagenicity (Category 1B) Carcinogenicity (Category 1A) Reproductive Toxicity (Category 2) Specific target organ toxicity – repeated exposure, Inhalation (Category 1) Acute aquatic toxicity (Category 1) Chronic aquatic toxicity (Category 1)		 Signal Word: DANGER																			
Hazard Statements <table border="0"> <tr> <td>H301 + H311</td> <td>Toxic if swallowed or in contact with skin.</td> </tr> <tr> <td>H317</td> <td>May cause an allergic skin reaction.</td> </tr> <tr> <td>H334</td> <td>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</td> </tr> <tr> <td>H340</td> <td>May cause genetic defects.</td> </tr> <tr> <td>H350</td> <td>May cause cancer.</td> </tr> <tr> <td>H361</td> <td>Suspected of damaging fertility or unborn child.</td> </tr> <tr> <td>H372</td> <td>Causes damage to organs through prolonged or repeated exposure if inhaled.</td> </tr> <tr> <td>H400</td> <td>Very toxic to aquatic life.</td> </tr> <tr> <td>H410</td> <td>Very toxic to aquatic life with long lasting effects.</td> </tr> </table>				H301 + H311	Toxic if swallowed or in contact with skin.	H317	May cause an allergic skin reaction.	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	H340	May cause genetic defects.	H350	May cause cancer.	H361	Suspected of damaging fertility or unborn child.	H372	Causes damage to organs through prolonged or repeated exposure if inhaled.	H400	Very toxic to aquatic life.	H410	Very toxic to aquatic life with long lasting effects.
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2. HAZARDS IDENTIFICATION (Continued)

Precautionary Statements (Continued)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when handling this material.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing, and eye protection.
P284	If handling indoors without local exhaust ventilation, wear a full-face respirator with HEPA cartridges.
P301 + P310 + P330	If SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician. Rinse mouth.
P301 + P330 + P331	If SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	If ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310	IF INHALED: Remove people to fresh air and keep them comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CONTROL CENTER or doctor/physician.
P308 + P313	If exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	If this product can't be recycled, dispose of contents / container to an approved waste disposal plant.

Hazards not otherwise classified or not covered by GHS: none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Percent by weight ¹	Percent by weight ²
Nickel	7440-02-0	15-30	5-7
Magnesium oxide	1309-48-4	12-25	<0.1-2
Chromium	7440-47-3	10-15	0.1-2
Calcium oxide	1305-78-8	7-11	<0.1-2
Molybdenum oxide	1313-27-5	6-8	0.1-1
Aluminum oxide	1344-28-1	1-5	<0.1
Silica, amorphous-	69012-64-2	1-3	0.1-1
Iron oxide	1309-37-1	<1-4	80-90
Manganese	7439-96-5	<1-3	0.1-1
Cobalt	7440-48-4	<1-2	0.1-1
Chromic oxide (hexavalent chromium)	1333-82-0	<0.1-2	<0.1
Water	7732-18-5	Balance	Balance

¹ All dust collectors (DC) except DC Number 10 at Building R-1, and DC Number 36 at Building R-35.

² Dust collectors (DC) Number 10 at Building R-1, and DC Number 36 at Building R-35.

4. FIRST AID MEASURES

INHALATION	Remove exposed person to fresh air. Encourage the patient to blow nose to ensure clear breathing passages. Get medical help if irritation or discomfort persists.
EYES	Do not allow the victim to rub or keep eyes tightly shut. Rinse with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing and gently lift the eyelids and flush immediately and continuously with copious amounts of water. Consult a physician or ophthalmologist if pain or irritation persists.
SKIN	Quickly remove contaminated clothing, including footwear and launder before wearing again. Wash affected skin with soap and water. Seek medical attention if skin irritation or rash occurs. Get medical advice/ attention.
INGESTION	Never give anything by mouth to an unconscious person. Consult with a physician or medically trained personnel at a poison control center. Unless the poison control center advises otherwise, have the person drink 1 to 2 glasses of water. Do not induce vomiting unless directed to do so by a doctor or Poison Control Center.

5. FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA: DON'T USE water, CO₂, dry chemical or foam on the material. Extinguish with soda ash, lime, or dry sand.

5.2 Specific Hazards: This material is not ignitable as mass and is not a flammable solid. When subjected to direct flame or heating, the material may smolder but will not propagate a fire.

FLAMMABLE LIMITS: This dust can ignite only if a substantial number of small particles are dispersed in air and the dust contains foreign material, such as iron dust

5.3 Advice for Firefighters: Fire fighters should wear normal protective equipment (full bunker gear) and a self-contained breathing apparatus (SCBA) with full facepiece operated in positive-pressure mode. Prevent, by any means available, spillage from entering drains or waterways.

HAZARDOUS COMBUSTION PRODUCTS: May produce metal oxides, and highly toxic nickel carbonyl.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Notify safety and environmental personnel of spills or leaks. Evacuate all unnecessary personnel, remove heat and ignition sources. Isolate and ventilate the area, deny entry, and stay upwind. Cleanup personnel need protection against eye and skin contact, and dust inhalation, see Section 8.

6.2 Environmental Precautions: Do not dispose of material in sanitary sewer or storm sewer which includes sinks, toilets, and floor drains.

6.3 Methods for cleaning up: Carefully scoop up using non-sparking tools or use a high efficiency (HEPA filtered) vacuum so that airborne dust does not exceed the PEL. Do not blow with compressed air which could cause a dusting problem. Collect recoverable material into clean, dry, sealable, labeled containers for recycling. See storage precautions, Section 7. If contamination of drains or waterways occurs, advise emergency services.

6.4 References: Follow applicable OSHA regulations (29 CFR 1910.120).

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING	Handle to prevent dusting or any material leaks. Wear personal protective equipment and clothing to prevent dust or fume inhalation and contact with skin or eyes. Practice good personal hygiene after using this material, e.g. wash hands and face.
7.2 CONDITIONS FOR SAFE STORAGE INCLUDING INCOMPATIBILITIES	Store in tightly-closed containers in a cool, dry, well-ventilated area away from heat, light, ignition sources, and incompatibles (Section 10).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	CAS No.	% by weight	Exposure Limit 8-Hour TWA (mg/m ³)		
			OSHA - PEL	ACGIH - TLV	Other (MAK)
Nickel *	7440-02-0	15-30	1 ¹ (dust and fume)	1.5 ² , (dust) 0.2 ² (fume)	
Magnesium oxide	1309-48-4	12-25	15 ¹	10 ²	
Chromium *	7440-47-3	10-15	1 (as metal dust)	0.5 (as metal dust)	
Calcium oxide	1305-78-8	7-11	5 ¹	2 ¹	
Molybdenum oxide	1313-27-5	6-8	Not Est. ⁵	3 ³ , 10 ² (fume)	
Aluminum oxide	1344-28-1	1-5	5	1 ³	
Silica, amorphous-	69012-64-2	1-3	Not Est. ⁵	Not Est. ⁵	
Iron oxide	1309B37-1	<1-4	10 (fume)	5 ³ (fume)	
Manganese	7439-96-5	<1-3	5 ⁴ (dust and fume)	0.1 ² ; 0.02 ³ (dust and fume)	
Cobalt *	7440-48-4	<1-2	0.1 (fume)	0.02 ² (fume)	
Chromic oxide *	1333-82-0	<0.1-2	0.005 (fume)	0.0002 (fume)	
(hexavalent chromium)	7732-18-5				
Water		Balance	Not Est. ⁵	Not Est. ⁵	

* Reportable ingredients per section 313 of SARA. See Section 15 for additional information.

Notice: Metal fumes are small metal particles that are created by vaporization of a metal, followed by condensation of the vapor into a solid particle. Some dust collectors are connected to processes such as grinding, which produce only metal dust. Other dust collectors are connected to processes such as metal melting that produce metal fume. Exposure limits for both metal fume and dust are provided in this Section.

1 Total dust/aerosol. (All limits are total dust, unless indicated otherwise)

2 Inhalable dust/aerosol.

3 Respirable dust/aerosol

4 Ceiling limit

5 Not Established Many substances do not have a unique exposure limit. The absence of an exposure limit does not lessen consideration for exposure risk. In the absence of specific information, professional judgment may be required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)

ENGINEERING CONTROLS	Where feasible, enclose operations to avoid dust dispersion into the work area. The use of local exhaust ventilation may be necessary to control airborne levels of dust/fume emissions near the source below the exposure limits cited in this Section.
RESPIRATORY PROTECTION	When engineering controls are not sufficient to reduce exposure, seek professional advice prior to respirator selection and use. When respiratory protection is required, follow OSHA respirator regulations (29 CFR 1910.134) and wear a NIOSH-approved respirator.
SKIN PROTECTION	Wear impervious gloves nitrile or PVC (minimum thickness 0.11mm), protective clothing, aprons, etc., as required by the work environment to prevent skin contact.
EYE PROTECTION	Wear safety glasses with side shields or chemical safety goggles, when exposed to dust or flying particulate, as required by OSHA regulations (29 CFR 1910.133).

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid, powder	LOWER and UPPER EXPLOSIVE LIMITS: NA See Sections 10.1 and 10.3	PARTITION COEFFICIENT N-OCTANOL/WATER; NA
COLOR: Black to dark grey	FLASH POINT: Not Applicable (NA)	RELATIVE DENSITY: (H ₂ O=1): 5.2-6.5
ODOR: None	AUTO-IGNITION TEMPERATURE: Not Available	VAPOR PRESSURE (at 20°C): N A
MELTING RANGE: 2,572-5,072°F (1,411-2,800°C)	pH = Not Applicable	VAPOR DENSITY: Not Applicable
BOILING RANGE: 2,850-6,512°F (1,566-3,600°C)	KINEMATIC VISCOSITY: NA	PARTICLE CHARACTERISTICS: Varies
FLAMMABILITY: See Sections 10.1 and 10.3	SOLUBILITY IN WATER = Insoluble	

10. STABILITY AND REACTIVITY

10.1 and 10.2 REACTIVITY and STABILITY	This dust can only ignite if large amounts are dispersed in air <u>and</u> if Dust Collector Dust contains substantial foreign material, such as iron dust.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	Dust collectors Number 10 and 36 (Where dust is primarily iron, See Section 3): Nst is a nominal estimate of Kst. Nst = <90 bar m/s All other dust collectors: Nst = 0 bar m/s.
10.4 INCOMPATIBILITY AND CONDITIONS TO AVOID	Avoid heat and sources of ignition. Avoid creation of airborne dust. Avoid contact with strong oxidizers such as hydrogen peroxide, acids, bases, organic solvents and heat, sulfur compounds, hydrogen and oxygen, fluorine, phosphorus, ethylene and aluminum chloride.
10.5 HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition can produce nickel, magnesium, chromium, and other oxides.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA (Toxicological effects described in this section are those that would be expected, based on data from the components of the product. This product has not been tested as a whole)	Eye: Rabbit (manganese) standard Draize test: 500 mg/24 hours caused mild irritation. Rabbit (calcium oxide) Risk of serious damage to eyes. OCED Test Guideline 405
	Skin: Human, (calcium oxide): severe skin irritation. Rabbit, subcutaneous, (nickel) LD _{Lo} : 7.5 mg/kg. Rabbit, (chromium VI oxide) LD ₅₀ : 57 mg/kg. OCED Test Guideline 402
	Ingestion: Rat (nickel) LD ₅₀ : 250 mg/kg. Rat (nickel) LD _{Lo} : 5,000 mg/kg. Rat (manganese) LD _{Lo} : >3,478 mg/kg. Rat (molybdenum VI) LD ₅₀ : 2,689 mg/kg. Rat (chromium III oxide) LD ₅₀ : >15,000 mg/kg. Rat (chromium VI oxide) LD ₅₀ : 52 mg/kg. OCED Test Guideline 401
	Inhalation: Rabbit (nickel): 130 µg/m ³ /6 hours for 35 weeks intermittently produced toxic effects: changes in the lung, thorax or respiration. Rat (nickel): 100 µg/m ³ /24 hours for 17 weeks, continuous exposure, liver function tests impaired. Rat (chromium VI oxide) LC ₅₀ : 217 mg/m ³ – 4 hours.

11. TOXICOLOGICAL INFORMATION (Continued)

CHRONIC/CARCINOGENICITY

Subchronic: Target organs include: eyes, respiratory tract, and skin.

Rat, implant (chromium); 1.2 mg/kg for 6 weeks, intermittent produced tumors at the site of application; lymphomas including Hodgkin's disease.

Chromium VI oxide is designated as a human carcinogen by the IARC (Group 1). Chromium VI oxide is designated as a known human carcinogen (Class K) by the NTP. Nickel is designated by the NTP as Class R, reasonably anticipated to be a carcinogen). Nickel and cobalt are designated by IARC (Group 2B, possibly carcinogenic to humans).

Teratology: Hamster, embryo cells (nickel); 5 µ mol./liter induced morphological transformation.

Reproduction: Rat, oral (nickel), 158 mg/kg administered to multi-generations produced fetotoxicity and fetal death.

Mutagenicity: No data.

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects:

Nickel

LC₅₀ – Cyprinus carpio (Carp) 1.3 mg/l – 96 hours

EC₅₀ – Daphnia magna (Water flea) – 1mg/liter – 48 hours

LC₅₀ – (Rainbow trout) 302 ppm – 48 hours

Chromium III

Static test LC₅₀ – Danio rerio (Zebra fish) >10,000 mg/l – 96 hours

LC₅₀ – Cyprinus carpio (Carp) 14.3 mg/l – 96 hours

Calcium oxide

LC₅₀ – Cyprinus carpio (Carp) 1,070 mg/l – 96 hours

Molybdenum VI oxide

Static test LC₅₀ – Pimephales promelas (fathead minnow) – 577 mg/l – 96 hours

Static test LC₅₀ – Daphnia magna (Water flea) – 206 mg/liter – 48 hours

Bioaccumulative Potential:

No data available.

Persistence and degradability:

No data available.

Mobility in Soil:

No data available.

Environmental Fate: Particulate nickel may be transported in the atmosphere and is removed by wet and dry deposition processes with transfer to soils and water.

Elemental chromium is relatively unreactive in the atmosphere. Chromium will not volatilize from surface water. In water, chromium III oxide is expected to eventually precipitate to sediments. In air, chromium III oxide is primarily removed by fallout and precipitation. Soils with a high chromium content (>0.2%) are expected to be infertile. The half-life of chromium in soils may be several years.

13. DISPOSAL CONSIDERATIONS

RCRA Hazardous Waste (40 CFR 261): This material is hazardous by TCLP metals analysis (barium, chromium).

If not recycled and sent for disposal, this waste is Code: D007 Waste Chromium; RQ 10 pounds.

Consult an expert on the disposal of recovered dust. Ensure conformity with federal, state, and local disposal regulations.

14. TRANSPORTATION INFORMATION (Not Meant to be All Inclusive)

Department of Transportation (DOT) hazard class: This material is not regulated by the DOT if it is shipped in containers of not more than 100 pounds and it is **shipped for recycle**. If shipped in containers greater than 100 pounds, the shipment is classified as a DOT hazardous material and the information listed below applies.

SHIPPING NAME	R.Q. Environmentally Hazardous Substance, Solid, n.o.s. (Contains chromium)
HAZARD CLASS	9
IDENTIFICATION NUMBER	UN 3077
PACKING GROUP	III
LABEL(S) REQUIRED	Class 9

14. TRANSPORTATION INFORMATION (Not Meant to be All Inclusive) (CONTINUED)

Department of Transportation (DOT) hazard class: This material is not regulated by the DOT if it is shipped in containers of not more than 100 pounds and it is shipped for recycle. **If shipped for disposal as a RCRA hazardous waste rather than for recycle**, the shipment is classified as a DOT hazardous material and the information listed below applies.

SHIPPING NAME	R.Q. Hazardous Waste, Solid, n.o.s. (Contains chromium)
HAZARD CLASS	9
IDENTIFICATION NUMBER	NA 3077
PACKING GROUP	III
LABEL(S) REQUIRED	Class 9 & Hazardous Waste

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS	OSHA: Listed as an air contaminant (29 CFR 1910.1000). Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
	TSCA (Toxic Substance Control Act): Components of this material are listed on the TSCA inventory.
	CERCLA: Hazardous Substance (40 CFR 302.4): Nickel (RQ 100 pounds) Chromium (RQ 5,000 pounds) Cobalt (RQ 1 pound, statutory) Manganese (RQ 1 pound, statutory) Extremely Hazardous substance (40 CFR 355): Not listed.
	SARA HAZARD CATEGORY: Listed below are the hazard categories for Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III): Immediate Hazard: X Delayed Hazard: X Fire Hazard: - Pressure Hazard: - Reactivity Hazard: -
	Chemicals subject to the reporting requirements of Section 313 or title III of SARA and 40 CFR Part 372: Chromium, Nickel, Cobalt.
STATE REGULATIONS	WARNING:  This product can expose you to chemicals including chromium, cobalt nickel, and titanium, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov . Pennsylvania Worker and Community Right to Know: Aluminum, Chromium, and Vanadium (fume or dust) are designated environmental hazards on the Hazardous Substance List. Title 34, Part XIII, Chapter 323.

16. OTHER INFORMATION

MSDS STATUS: Replaces previous version November 6, 2015

The above information has been prepared by APTIM LLC under contract with Haynes International and is a compilation of information from various sources believed to be accurate. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any material described herein. Information contained herein is believed to be true and accurate, but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable Federal, State, and local laws and regulations remain the responsibility of the user.

LABEL INFORMATION

HAYNES® Dust Collector Dust

HAYNES
International

Safety Department, 1020 West Park Avenue, Kokomo, Indiana 46904-9013
Information: 1-765-456-6714; Emergency 1-765-456-6894; CHEMTREC: 800-424-9300

Hazard Classifications

Acute toxicity, oral

Skin Sensitization

Respiratory sensitization

Skin irritation

Serious eye irritation

Germ cell mutagenicity

Carcinogen

Reproductive toxicity

**Specific organ toxicity –
repeated exposure, inhalation**

Acute and Chronic aquatic toxicity

Hazard Statements

Toxic if swallowed or in contact with skin

May cause an allergic skin reaction

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Causes skin irritation

Causes serious eye damage

May cause genetic defects

May cause cancer

Suspected of damaging fertility or the unborn child

Causes damage to organs through prolonged or repeated exposure if inhaled

Very toxic to aquatic life with long lasting effects



Signal Word: DANGER

Precautionary Statements

Obtain special instructions before use.

Do not breathe dust.

Do not eat, drink or smoke when handling this material.

Do not handle until all safety precautions have been read and understood

Wear eye protection / face protection. Wear protective gloves.

Contaminated work clothing should not be allowed out of the workplace.

Wash skin thoroughly after handling.

Collect spillage. Avoid release to the environment.

If you handle indoors without local exhaust ventilation, wear a full face respirator with HEPA cartridges.

Call a POISON CENTER or doctor/ physician if you feel unwell.

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Whenever possible recover alloys for reuse or recycling. If this product can't be recycled, dispose of contents/container to an approved waste disposal plant in accordance with local, state or federal regulations.

First Aid: (The following instructions apply only to dust and welding fume forms of the product)

Inhalation: Breathing difficulty caused by inhalation of dust or fume requires removal to fresh air. Keep at rest in a position comfortable for breathing. Immediately call a POISON CONTROL CENTER or doctor/ physician. If breathing has stopped, perform artificial respiration and obtain medical assistance at once.

Ingestion: Rinse mouth but never give anything by mouth to an unconscious person. Contact a POISON CONTROL CENTER or doctor/ physician. Unless the poison control center advises otherwise, vomiting inducement is not necessary unless large amounts are ingested.

Skin: Skin cuts and abrasions can be treated by standard first aid. For contamination with dust or powder, immediately take off contaminated clothing and wash before reuse. Do not shake clothing. Wash skin with plenty of soap and water. If skin irritation or rash occurs, get medical advice/ attention.

Eyes: Do not allow victims to rub or keep eyes tightly shut. Dust or powder should be flushed from the eyes by first rinsing cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. If eye irritation persists, get medical advice/ attention.

Notice: Avoid breathing dust or fume. If the use of this material produces dust or fume, use appropriate ventilation controls, personal protective equipment or both. For additional information refer to the Safety Data Sheet (SDS) for this product.

Ingredient	CAS No.	% by weight
Nickel	7440-02-0	15-30
Magnesium oxide	1309-48-4	12-25
Chromium	7440-47-3	10-15
Calcium oxide	1305-78-8	7-11
Molybdenum oxide	1313-27-5	6-8
Aluminum oxide	1344-28-1	1-5
Silica, amorphous-	69012-64-2	1-3
Iron oxide	1309-37-1	<1-4
Manganese	7439-96-5	<1-3
Cobalt	7440-48-4	<1-2
Chromic oxide (CrVI))	1333-82-0	<0.1-2
Water	7732-18-5	Balance

See the Safety Data Sheet for additional information