# **Crafter's**Choice<sup>®</sup>

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## Crafters Choice™ Magnesium Hydroxide Powder

1.1       Product identifier         Product form       :: Substance         Product name       :: Crafters Choice <sup>™</sup> Magnesium Hydroxide Powder         Chemical name       :: Magnesium hydroxide         CAS No       :: 1309-42.8         Formula       :: Magnesium dihydroxide, Magnesium Hydroxide, Magnesium(II) hydroxide, milk of magn         1.2       Relevant identified uses of the substance or mixture and uses advised against         Use of the substance/mixture       :: For use in industrial applications such as industrial & municipal wastewater treatment & 13.0         1.3       Details of the subplice of the substance or mixture and uses advised against         Use of the substance/mixture       :: For use in industrial applications such as industrial & municipal wastewater treatment & 13.0         1.4       Emergency telephone number         Emergency number       :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI +(813) 248-0585 – In         SECTION 2: Hazards       Identification         2.1       Classification (0H5-US)         Not adsstified       Identification         2.2       Label elements         CH5-US labeling       Identification         Na additional information available       Substance fym         2.4       Unknown acuta toxicity (GHS-US)         None       Substance fym       <	and of the company/undertaking	e and of the company/undertaking		
Chouse Indian       Errefuest Choice <sup>14</sup> Magnesium Hydroxide Powder         Chemical name       : Magnesium hydroxide         CAS No       : 1309-42-8         Formula       : Magnesium inhydroxide, Magnesium hydroxide, Magnesium(II) hydroxide, milk of magn         Other means of identification       : Magnesium inhydroxide, Magnesium hydroxide, Magnesium(II) hydroxide, milk of magn         1.2.       Relevant identification       : For use in industrial applications such as industrial & municipal wastewater treatment &         1.3.       Details of the supplier of the safety data sheet       Content's Choice Brands, LLC         Carbor Scholz Brands, LLC       : For use in industrial applications such as industrial & municipal wastewater treatment &         1.4.       Emergency telephone number       : For use in industrial applications such as industrial & municipal wastewater treatment &         1.3.       Details of the substance or mixture       : Geo0) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In         SECTION 2: Hazards identification       : Geo0) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In         SECTION 2: Characts identification or mixture       : Gassification (GHS-US)         Not classified       : Cassification (GHS-US)         Not classified       : Cassification (GHS-US)         No additional information available       : Cassificatin (GHS-US) <td< th=""><th></th><th></th></td<>				
Product name       Crafters Choice <sup>™</sup> Magnesium Hydroxide Powder         Chemical name       Magnesium hydroxide         CAS No       1 309-42-8         Formula       Magnesium dilydroxide, Magnesium hydroxide, Magnesium(II) hydroxide, milk of magn         Deer means of identification       Magnesium dilydroxide, Magnesium hydroxide, Magnesium(II) hydroxide, milk of magn         12.       Relevant identified uses of the substance or mixture and uses advised against         Jace of the substance/mixture       For use in industrial applications such as industrial & municipal wastewater treatment & forgendence, OK 44131         Substance/mixture       For use in industrial applications such as industrial & municipal wastewater treatment & forgendence, OK 44131         Substance/mixture       For use in industrial applications such as industrial & municipal wastewater treatment & forgendence, OK 44131         Substance/mixture       For use in industrial applications such as industrial & municipal wastewater treatment & forgendence, OK 44131         Substance/mixture       For use in industrial applications such as industrial & municipal wastewater treatment & forgendence, OK 44131         Substance/mixture       For use in industrial applications such as industrial & municipal wastewater treatment & forgence use of the substance or mixture         Classification of the substance or mixture       Classification of the substance or mixture         Classification of the substance or mixture       Forgence use of the substance or m				
CAS No :: 1309-42-8 Formula :: Magnesium dihydroxide, Magnesium hydroxide, Magnesium(II) hydroxide, milk of magr :: Magnesium dihydroxide, Magnesium hydroxide, Magnesium(II) hydroxide, milk of magr :: Magnesium dihydroxide :: For use in industrial applications such as industrial & municipal wastewater treatment & : A : Choice Brands, LLC 7802 - Pleasant Waley Road Independence, OF 44131 Cassification of the substance or mixture and uses advised against :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 3: Composition/information on ingredients :: (800) Research :: (800) Research :: Substance :: Substance :: Substance :: Substance :: Mono-constituent :: Magnesium Hydroxide :: Substance type :: Mono-constituent :: Magnesium Hydroxide :: Substance type :: Mono-constituent :: Magnesium Hydroxide :: CASH Mixture :: Norc Classified :: Norc Classified :: :: Norc Clas	<sup>™</sup> Magnesium Hydroxide Powder	ce™ Magnesium Hydroxide Powder		
CAS No :: 1309-42-8 Formula :: Magnesium dihydroxide, Magnesium hydroxide, Magnesium(II) hydroxide, milk of magr :: Magnesium dihydroxide, Magnesium hydroxide, Magnesium(II) hydroxide, milk of magr :: Magnesium dihydroxide :: For use in industrial applications such as industrial & municipal wastewater treatment & : A : Choice Brands, LLC 7802 - Pleasant Waley Road Independence, OF 44131 Cassification of the substance or mixture and uses advised against :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification :: (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 3: Composition/information on ingredients :: (800) Research :: (800) Research :: Substance :: Substance :: Substance :: Substance :: Mono-constituent :: Magnesium Hydroxide :: Substance type :: Mono-constituent :: Magnesium Hydroxide :: Substance type :: Mono-constituent :: Magnesium Hydroxide :: CASH Mixture :: Norc Classified :: Norc Classified :: :: Norc Clas				
Formula       : Mg(OH)2         Cher means of identification       : Magnesium dihydroxide, Magnesium hydroxide, Magnesium (III) hydroxide, mik of magn         1.2.       Relevant identification       : For use in industrial applications such as industrial & municipal wastewater treatment & tasked contents.         1.3.       Deating of the substance of the substance or mixture and uses advised agains!       Image: Choice Rends, LLC         Criter's Choice Rends, LLC       Content's Choice Rends, LLC       Image: Choice Rends, LLC         Criter's Choice Rends, LLC       Content's Choice Rends, LLC       Image: Choice Rends, LLC         States Choice Rends, LLC       Content's Choice Rends, LLC       Image: Choice Rends, LLC         States Choice Rends, LLC       Content's Choice Rends, LLC       Image: Choice Rends, LLC         States Choice Rends       Content's Choice Rends, LLC       Image: Choice Rends, LLC         States Choice Rends       Content's Choice Rends, LLC       Image: Choice Rends, LLC         States Choice Rends       Content Reich Rends,	xide	droxide		
Other means of identification : Magnesium dihydroxide, Magnesium hydroxide, Magnesium (II) hydroxide, milk of magnesium (II) hydroxide, milk of magnesium (III) hydroxide, milk of magnesium (IIII) hydroxide, milk of magnesium (IIIII) hydroxide, milk of magnesium (IIIIII) hydroxide, milk of magnesium (IIIII) hydroxide, milk of magnesium (IIIIIII) hydroxide, milk of magnesium (IIIIIIII) hydroxide, milk of magnesium (IIIIIIII) hydroxide, milk of magnesium (IIIIIIIIIIII) hydroxide   2.1. Classification of hydroxide Substance type   2.1. Classification of hydroxide Substance type   2.1. Classification (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				
1.2. Relevant identified uses of the substance or mixture and uses advised against         Use of the substance/mixture       : For use in industrial applications such as industrial & municipal wastewater treatment &         1.3. Details of the supplier of the safety data sheet       Crafter's Choice Rands, LLC         Crafter's Choice Rands, LLC       Resolution         Resolution       (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In         SECTION 2: Hazards identification       Energency telephone number         Emergency number       : (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In         SECTION 2: Hazards identification       Elements         Classification of the substance or mixture       Classification (GHS-US)         Not classified       2.1         2.2. Labol elements       Elements         GHS-US labeling       No additional information available         2.3. Other hazards       No additional information available         2.4. Unknown acute toxicity (GHS-US)       None         Section S: Composition/information on ingredients       Substance type         3.1. Substances       Name       Yon classified         Name       : Magnesium Hydroxide :       Substance type       : Mono-constituent         Name       : Magnesium Hydroxide :       Substance type       : Mono-consti	rovido Magnosium hydrovido Magnosium(II) hydro	avdravida, Magnaeium hydravida, Magnaeium/II) hydravida, milk of magnaeia		
Use of the substance/mixture : For use in industrial applications such as industrial & municipal wastewater treatment &  1.0. Details of the supplier of the safety data sheet Creater's Choice Bornds, LIC TRADE: Flassem Valley Fload Inforgementerne, OK 144131 (800) 993-7028 (800) 993 (800) 993-7028 (800) 993-7028 (800) 993 (800) 9				
1.3. Details of the supplier of the safety data sheet         Crafter's Choice Brands, LLC         R801 9080-728         Ward Category Valey Naad         Independence, OH 44131         (800) 908-728         Everagency telephone number         Emergency telephone number         Emergency telephone number         Emergency telephone number         Endeside of the substance or mixture         Classification (GHS-US)         Not abssified         2.1. Label elements         CRS-US labeling         No labeling applicable         2.3. Other hazards         No additional information available         2.4. Unknown acute toxicity (GHS-US)         None         SECTION 3: Composition/Information on ingredients         3.1. Substances         Name       : Magnesium hydroxide : Substance type : Mono-constituent         Name       : Magnesium hydroxide : CASH Mixture : 0.3 Nor Classified         Not desplicable       : O.3 Nor Classified         2.1. Mixtures       : Acst adot-2.4 98.5 Nor Classified         Nor classified       : O.2 Nor Classified         3.1. Substances       : Name : CASH Mixture : 0.3 Nor Classified         Norige is ilicates and carbonates : CASH Mixture : 0.2 Nor Classified       : Nor Classifie	l uses advised against	and uses advised against		
Crefer's Choice Brands, L.C 7820 E Phasa Naley Read Independence, DH 44131 1830 E Phasa Naley Read Independence, DH 44131 1830 E Phasa Naley Read 1.4. Emergency telephone number Emergency number : (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI + (813) 248-0585 – In SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Classification (GHS-US) Not classified 2.2. Label elements GHS-US labeling Not labeling applicable 2.3. Other hazards No additional information available 2.4. Unknown acute toxicity (GHS-US) None SECTION 3: Composition/information on ingredients 3.1. Substances Name : Magnesium Hydroxide : Substance type : Mono-constituent Magnesium hydroxide : Substance type : Mono-constituent Name : Magnesium Hydroxide : CASH Mixture 0.3 Not Classified Inorganic shioride saits CASH Mixture 0.3 Not Classified Inorganic shioride saits CASH Mixture 0.3 Not Classified Not classified 2.2. Mixtures Natures Natures Natures Natures SECTION 4: First aid measures EFIT-Loid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medic (show the label where possible).	al applications such as industrial & municipal waster	strial applications such as industrial & municipal wastewater treatment & silica rem		
TR20 E. Pleasant Valley Road Independence, OV H4131         (800) 99-728         www.Grafters-Choice.com         1.4.       Emergency telephone number         Emergency number       : (800) 255-3924 – Domestic USA, Canada, Puerto Rico and USVI +(813) 248-0585 – In         SECTION 2: Hazards identification         SECTION 2: Hazards identification         Classification of the substance or mixture         Classification (GHS-US)         Not classified         Section of the substance or mixture         Classification (GHS-US)         Not classified         2.1 Label elements         Colspan="2">Colspan="2"         Colspan="2" <td <="" colspan="2" td=""><td></td><td></td></td>	<td></td> <td></td>			
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GHS-US labeling No labeling applicable         2.3. Other hazards         No additional information available         2.4. Unknown acute toxicity (GHS-US)         None         SECTION 3: Composition/information on ingredients         3.1. Substances         Name       : Magnesium Hydroxide :         Substance type       : Mono-constituent         Name       : Magnesium Hydroxide :         Substance type       : Mono-constituent         Name       : Magnesium Hydroxide :         Substance type       : Mono-constituent         Name       : Magnesium hydroxide :         Substance type       : Mono-constituent         Name       : Magnesium hydroxide :         Substance type       : Mono-constituent         Name       : Magnesium hydroxide :         Substance type       : Mono-constituent         Name       : Magnesium hydroxide :         Substance type       : Mono-constituent         Name       : Magnesium hydroxide :         Name       : Magnesium hydroxide :         Name       : Magnesium hydroxide :         Name       : CAS# Mixture :       1         Not Classified       Not Classified :         Inorganic choinde salts				
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3.1.       Substances         Name       : Magnesium Hydroxide :       Substance type       : Mono-constituent         Name       : Magnesium Hydroxide       CAS# 1309-42-8       98.5       Not Classified         Oxides of silicon, iron, aluminum and calcium       CAS# Mixture       1       Not Classified         Oxides of silicon, iron, aluminum and calcium       CAS# Mixture       0.3       Not Classified         Inorganic chloride salts       CAS# Mixture       0.2       Not Classified         Inorganic silicates and carbonates       CAS# Mixture       0.2       Not Classified         Stot applicable       SECTION 4: First aid measures       Exercise and carbonates       Exercise and carbonates         First-aid measures general       : Never give anything by mouth to an unconscious person. If you feel unwell, seek medic (show the label where possible).				
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Name       : Magnesium Hydroxide :       Substance type       : Mono-constituent         Name       Product Identifier       %       Classification (GHS-US)         Magnesium hydroxide       CAS# 1309-42-8       98.5       Not Classified         Oxides of silicon, iron, aluminum and calcium       CAS# Mixture       1       Not Classified         Inorganic chloride salts       CAS# Mixture       0.3       Not Classified         Inorganic silicates and carbonates       CAS# Mixture       0.2       Not Classified         Store splicable       SECTION 4: First aid measures       Second the salue sures       First-aid measures       First-aid measures         First-aid measures general       :       Never give anything by mouth to an unconscious person. If you feel unwell, seek medic (show the label where possible).				
Magnesium hydroxide       CAS# 1309-42-8       98.5       Not Classified         Oxides of silicon, iron, aluminum and calcium       CAS# Mixture       1       Not Classified         Inorganic chloride salts       CAS# Mixture       0.3       Not Classified         Inorganic silicates and carbonates       CAS# Mixture       0.2       Not Classified         3.2.       Mixtures         Not applicable       SECTION 4: First aid measures         First-aid measures general       : Never give anything by mouth to an unconscious person. If you feel unwell, seek medic (show the label where possible).	Substance type : Mono-constituent	Substance type : Mono-constituent		
Oxides of silicon, iron, aluminum and calcium       CAS# Mixture       1       Not Classified         Inorganic chloride salts       CAS# Mixture       0.3       Not Classified         Inorganic silicates and carbonates       CAS# Mixture       0.2       Not Classified         3.2.       Mixtures         Not applicable       SECTION 4: First aid measures         4.1.       Description of first aid measures         First-aid measures general       : Never give anything by mouth to an unconscious person. If you feel unwell, seek medic (show the label where possible).				
Inorganic chloride salts       CAS# Mixture       0.3       Not Classified         Inorganic silicates and carbonates       CAS# Mixture       0.2       Not Classified         3.2.       Mixtures         Not applicable       SECTION 4: First aid measures         4.1.       Description of first aid measures         First-aid measures general       : Never give anything by mouth to an unconscious person. If you feel unwell, seek medic (show the label where possible).				
Inorganic silicates and carbonates       CAS# Mixture       0.2       Not Classified         3.2.       Mixtures         Not applicable         SECTION 4: First aid measures         4.1.       Description of first aid measures         First-aid measures general       : Never give anything by mouth to an unconscious person. If you feel unwell, seek medic (show the label where possible).				
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First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medic (show the label where possible).				
breathing.		l where possible). difficult, remove to fresh air and keep at rest in a position comfortable for		
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First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effec	s, both acute and delayed
Symptoms/injuries	: Not expected to be a significant hazard under anticipated conditions of normal use. Do not breathe dust.
Symptoms/injuries after inhalation	: Inhalation may cause: irritation, cough, short breathing.
Symptoms/injuries after skin contact	: Effects of skin contact may include: skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.

## **4.3.** Indication of any immediate medical attention and special treatment needed No additional medical information found. If you feel unwell, seek medical advice.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Not combustible. If there is a fire close by, use suitable extinguishing agents. Water fog. Carbon dioxide. Dry powder. Foam.
Unsuitable extinguishing media	: None known.
5.2. Special hazards arising from the sub	stance or mixture
Fire hazard	: If heated to point of decomposition (>360°C), magnesium oxide & water are formed. If heated to point of volatization (i.e. >1700°C), magnesium oxide fumes may be generated.
Explosion hazard	: Product is not explosive
Reactivity	: Reacts with: Incompatible materials.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: No additional risk management measures required.

SECTI	SECTION 6: Accidental release measures		
6.1.	Personal precautions, protective equ	lipment and emergency procedures	
General	measures	: Avoid creating or spreading dust. Dust deposited may be vacuum cleaned.	
6.1.1.	For non-emergency personnel		
Protectiv	e equipment	: Where excessive dust may result, use approved respiratory protection equipment.	
Emerger	ncy procedures	: Evacuate unnecessary personnel.	
6.1.2.	For emergency responders		
Protectiv	e equipment	: Where excessive dust may result, use approved respiratory protection equipment.	
Emerger	ncy procedures	: Ventilate area. If a major spill occurs, all personnel should be immediately evacuated and the area ventilated.	
6.2.	Environmental precautions		

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3.	Methods and material for containme	nt and cleaning up
For cont	ainment	: Do not allow minor leaks or spills to accumulate on walking surfaces. Contain and collect as any solid.
Methods	for cleaning up	: On land, sweep or shovel into suitable containers. Minimize generation of dust.
6.4.	Reference to other sections	
See Hea	See Heading 8. Exposure controls and personal protection.	
SECTI	ON 7: Handling and storage	

	sit i i nanaling and storage	
7.1.	Precautions for safe handling	
Precautions for safe handling		: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.;Provide good ventilation in process area to prevent formation of dust.

#### Crafters Choice™ Magnesium Hydroxide Powder

Hygiene	measures	Up to 10 mg/m3 (APF = 25) Any supplied-air respirator operated in a continuous-flow mode (APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100 or P100 filter (APF = 25) Any powered, air-purifying respirator with a high-efficiency particulate filter (APF = 50) Any self-contained breathing apparatus with a full facepiece (APF = 50) Any supplied-air respirator with a full facepiece	_
riygiche	measures	Emergency or planned entry into unknown concentrations or IDLH conditions: (APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in pressure-demand or other positive-pressure mode	a
7.2.	Conditions for safe storage, incl		
Storage	conditions	demand or other positive-pressure mode in combination with an auxiliary self-contained positive- pressure breathing apparatus	materials
		Escape:	aline
Incompa	atible products	(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter.	eic
		which may ignite spontaneously with air.	es

#### 7.3. Specific end use(s)

Reference Section 1.2

SECTION	8: Exposure	controls/personal protection
	ontrol parameter	
		ion 3.1, all available OELs are displayed
	Iroxide (1309-42-8)	
USA ACGIH	ACGIH TWA (mg/m3)	10 mg/m3 (inhalable) As Particulates (insoluble or poorly soluble) not otherwise specified.
USA ACGIH	ACGIH TWA (mg/m3)	3 mg/m3 (respirable fraction) as Particulates (insoluble or poorly soluble) not otherwise specified
OSHA	PEL (mg/m3)	15 mg/m3 (total dust) As inert or nuisance dust not otherwise regulated
OSHA	PEL (mg/m3)	5 mg/m3 (respirable fraction) As inert or nuisance dust not otherwise regulated
. <b>2.</b> Е	xposure controls	
	engineering contr	
and proteo	ction	: Wear protective gloves: dust impervious gloves.
ye protecti	ion	: Chemical goggles or safety glasses with side guards to prevent eye contact.
Respiratory protection :		<ul> <li>In case of insufficient ventilation, wear suitable respiratory equipment.;Use air-purifying respirato equiped with particulate filtering cartridges.</li> </ul>
		<b>Up to 10 mg/m3</b> (APF = 25) Any supplied-air respirator operated in a continuous-flow mode (APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100 or P100 filter (APF = 25) Any powered, air-purifying respirator with a high-efficiency particulate filter

(APF = 50) Any self-contained breathing apparatus with a full facepiece

(APF = 50) Any supplied-air respirator with a full facepiece

Emergency or planned entry into unknown concentrations or IDLH conditions:

(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressuredemand or other positive-pressure mode in combination with an auxiliary self-contained positivepressure breathing apparatus

Escape:

(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter.

Other information

: When using, do not eat, drink or smoke.

#### SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: White.
Odor	: Odorless.
Odor threshold	: No data available
pH	: No data available
pH solution	: <u>&gt;</u> 10
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: 350°C decomposes
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available

Self ignition temperature	: Does not self-ignite
Decomposition temperature	: > 350 °C
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: 2.36 g/cm <sup>3</sup>
Solubility	: Water: 6.9 mg/l
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive
Oxidizing properties	: No oxidizing properties
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

SECTION 10: Stability and reactivity		
10.1.	Reactivity	
Reacts with: Incompatible materials.		
10.2.	Chemical stability	
Stable at ambient temperature and under normal conditions of use.		
10.3.	Possibility of hazardous reactions	
Hazard	aus polymerization will not occur	

Hazardous polymerization will not occur.

#### 10.4. Conditions to avoid

Avoid contact with incompatible materials, excessive heat or cold; moisture.

#### 10.5. Incompatible materials

ACID (Strong) - vigorous reaction, heat generated; Maleic Anhydride - Alkali & other alkaline earth compounds including magnesium compounds, will cause explosive decomposition of maleic anhydride; Phosphorus - Phosphorus boiled w/ alkaline hydroxides yields mixed phosphines which may ignite spontaneously with air.

#### 10.6. Hazardous decomposition products

If heated to point of decomposition (>350 °C), it forms magnesium oxide & water. If heated to point of volatilization (ie >1700°C) magnesium oxide fumes may be generated.

SECTION 11: Toxicological information		
11.1. Information on toxicological e	effects	
Acute toxicity	: Not classified. (Based on available data, the classification criteria are not met)	
Magnesium hydoxide (1309-42-8)		
LD50 oral rat	>2000 mg/kg OECD Guideline 423	
LC50 inhalation rat (mg/l))	>2.1 ml/m3 OECD Guideline 403. No mortality seen at this level.	
Skin corrosion/irritation	: Not classified. (Based on available data, the classification criteria are not met)	
Serious eye damage/irritation	: Not classified. (Based on available data, the classification criteria are not met)	
Respiratory or skin sensitization	: Not classified. (Based on available data, the classification criteria are not met)	
Germ cell mutagenicity	: Not classified. (Based on available data, the classification criteria are not met)	
Carcinogenicity	: Not classified. (Based on available data, the classification criteria are not met)	
Magnesium hydroxide (1309-42-8)		
IARC group	Not listed in carcinogenicity class	

IARC group	Not listed in carcinogenicity class
National Toxicology Program (NTP) Status	Not listed in carcinogenicity class
Reproductive toxicity	: Not classified. (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified. (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified. (Based on available data, the classification criteria are not met)

Aspiration hazard	: Not classified. (Based on available data, the classification criteria are not met)
Potential Adverse human health effects and symptoms	I :
Symptoms/injuries after inhalation	: Inhalation may cause: irritation, cough, shortness of breath.
Symptoms/injuries after skin contact	: Effects of skin contact may include: skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.
Likely routes of exposure	: dermal;Inhalation.
SECTION 12: Ecological informa	tion
12.1. Toxicity	
Magnesium hydroxide (1309-42-8 LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 ErC50 (algae)	1293 mg/l Onchorinchus mykiss 284.76 mg/l 511.31 mg/l P. promelas > 100 mg/l
12.2. Persistence and degradability	
Persistence and degradability Biodegradation	Not readily biodegradable Does not degrade although it does dissolve.
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	

No additional information available	

#### 12.5. Other adverse effects Other information : Avoid release to the environment. **SECTION 13: Disposal considerations** 13.1. Waste treatment methods : Take all necessary measures to avoid accidental discharge of products into drains and Waste treatment methods waterways due to the rupture of containers or transfer systems. Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Ecology - waste materials : Avoid release to the environment. SECTION 14: Transport information In accordance with DOT aanaidarad a . .

Not considered a dangerous good for transport regulations		
Additional information		
Other information	: No supplementary information available.	
ADR		
Transport document description	:	
Transport by sea		
No additional information available		
Air transport		
No additional information available		
SECTION 15: Regulatory information		
15.1. US Federal regulations		
Magnesium hydroxide (1309-42-8)		

#### Listed on the United States TSCA (Toxic Substances Control Act) inventory

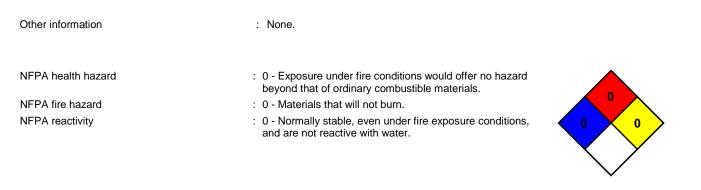
### 15.2. International regulations

Jurisdiction	List	Comment
Asia Pacific	Asia - PAC	
Australia	Australian Inventory of Chemical Substances (AICS)	
China	Inventory of Existing Chemical Substances (IECSC)	
Japan	Existing and New Chemical Substances (ENCS)	# 1-386; inorganic compounds
Korea	KECI (Chemical Inventory of Korea)	KE-22716
New Zealand	Inventory of Chemicals (NZIoC)	HSNO approval
Phillippines	Inventory of Chemicals and Chemical Substances (PICCS)	
Europe	EEC International Cosmetics Ingredients Inventory (INCI)	absorbant/ buffering
	EU REACH pre-registered	015 171 0
	EU Inventory of Existing Commercial Chemical Substances (EINECS)	215-171-9
	German Water Hazard Class Substance List	Classification: VwVwS
	Switzerland Giftliste 1 (List of Toxic Substances)	G-8166 Toxic Category 4
Canada	Canadian Domesticated Substances List (DSL)	
North American	DOT Coast Guard Bulk Hazardous Materials	
	EPA Pesticide Inert Ingredients (PII)	
	FDA Food Substances Generally Regcognized as Safe (GRAS)	
	FDA Priority-based Assessment of Food Additives (PAFA)	
	High Production Volume Chemicals (HPV)	
	OSHA Permissible Exposure Limits	8 hour TWA: total particulates 15 mg/ m3
	Toxic Substances Control Act (TSCA) Inventory	
	Toxic Inventory Update Rule (IUR)	
	TSCA Section 8A-Preliminary Assessment Information Rule (PAIR)	
	High Production Volume Chemicals: ICCA	
	High Production Volume Chemicals: OECD	

#### 15.3. US State regulations

Magnesium hydroxide (1309-42-8)		
State or local regulations	Not Listed	
	1	

SECTION 16: Other information			
Indication of changes	: Original Document.		
Abbreviations and acronyms	: ACGIH (American Conference of Government Industrial Hygienists).		
	ATE: Acute Toxicity Estimate.		
	CAS (Chemical Abstracts Service) number.		
	EC50: Environmental Concentration associated with a response by 50% of the test population.		
	GHS: Globally Harmonized System (of Classification and Labeling) of Chemicals.		
	LD50: Lethal Dose for 50% of the test population.		
	OSHA: Occupational Safety & Health Administration.		
	TSCA: Toxic Substances Control Act.		
	TWA: Time Weighted Average.		



SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.