

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 06/04/2021 Revision date: 06/04/2021 Supersedes: 10/06/2017

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tements		
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	USA & Canada +1 703-74 skin burns and eye dama cer (Dust when sawing or tements tements causes severe skin burns a fay cause cancer (Dust wh	Resin Bonded Brick Py I use ENCY ONLY (CHEMTREC) USA & Canada 1-800 USA & Canada +1 703-741-5970 skin burns and eye damage icer (Dust when sawing or tear out, Inhalation) tements Example 2 Severe skin burns and eye damage fauses severe skin burns and eye damage

	Name	Product identifier	70	GHS US Classification
	calcium oxide	(CAS-No.) 1305-78-8	50 – 75	Skin Corr. 1A, H314
	Magnesium Oxide	(CAS-No.) 1309-48-4	20 – 50	Not classified
	graphite	(CAS-No.) 7782-42-5	1 – 5	Not classified
	Phenolic Resin	(CAS-No.) 108-95-2	1 – 5	Not classified
	Wax, Bulk Liquid		1 – 5	Not classified
	cristobalite	(CAS-No.) 14464-46-1	0.1 – 0.5	Carc. 1A, H350
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Full text of hazard classes and H-statements : see section 16

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SECTION 4: First-aid measures			
4.1. Description of first aid measures			
First-aid measures general	: Get medical advice/attention if you feel unwell.		
First-aid measures after inhalation	: Dust when sawing or tear out. Remove victim to fresh air and keep at rest in a position comfortable for breathing.		
First-aid measures after skin contact	: Gently wash with plenty of soap and water.		
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.		
First-aid measures after ingestion	: Do NOT induce vomiting. Rinse mouth.		
4.2. Most important symptoms and effects			
Symptoms/effects after skin contact	: May cause moderate irritation.		
Symptoms/effects after eye contact 4.3. Immediate medical attention and spec	: Causes serious eye irritation.		
No additional information available	Jai treatment, il necessary		
SECTION 5: Fire-fighting measures			
5.1. Suitable (and unsuitable) extinguishir	ng media		
Suitable extinguishing media	: Carbon dioxide. Dry powder. Sand.		
Unsuitable extinguishing media	: Do not use extinguishing media containing water.		
5.2. Specific hazards arising from the che			
Fire hazard	: Reactions involving a fire hazard: see "Reactivity Hazard". Do not breathe fumes from fires or vapors from decomposition.		
5.3. Special protective equipment and pre	cautions for fire-fighters		
Firefighting instructions	: In case of fire, use powder extinguisher, "never use water". In case of fire, never use water.		
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.		
Other information	: Product will not burn, but does contain small quantities of chemicals which can generate toxic		
	and/or irritating vapors when initially heated. Under fire conditions hazardous combustion products such as carbon monoxide may be generated.		
SECTION 6: Accidental release measu			
6.1. Personal precautions, protective equi General measures	: May release smoke when heated. Combustion products include carbon monoxide, carbon		
General measures	dioxide, and hydrocarbon vapors.		
6.1.1. For non-emergency personnel			
Protective equipment	: Safety shoes. Protective gloves. Safety glasses. Protective clothing.		
Emergency procedures	: Avoid contact with skin and eyes.		
6.1.2. For emergency responders Protective equipment	: Do not attempt to take action without suitable protective equipment.		
6.2. Environmental precautions			
No additional information available			
6.3. Methods and material for containment	t and cleaning up		
For containment	: Collect spillage.		
Methods for cleaning up	: Mechanically recover the product.		
6.4. Reference to other sections			
No additional information available			
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	Avoid contact with eyes. Contact lenses should be removed. Keep away from any possible		
7.0 Conditions for safe storage installing	contact with water, because of violent reaction and possible flash fire.		
7.2. Conditions for safe storage, including			
Storage conditions	: Store this product in a dry location where it can be protected from the elements. Protect from moisture.		
Incompatible products	: Acids; reactive fluoridated, brominated, or phosphorous compounds; aluminum (may form		
incompatible products	hydrogen gas); reactive metals; organic acid anhydrides; nitro-organic compounds;		
	interhalogenated compounds.		
SECTION 8: Exposure controls/perso			
8.1. Control parameters			
RDG-DOL (Mixture)			
No additional information available			
Magnesium Oxide (1309-48-4)			
USA - ACGIH - Occupational Exposure Limits			
ACGIH TWA (mg/m ³)	10 mg/m ³ inhalable dust		
USA - OSHA - Occupational Exposure Limits			
OSHA PEL (TWA) (mg/m ³)	10 mg/m ³ respirable dust		

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calcium oxide (1305-78-8)			
USA - ACGIH - Occupational Exposure Limits	3		
ACGIH TWA (mg/m ³)	2 mg/m ³		
cristobalite (14464-46-1)			
USA - ACGIH - Occupational Exposure Limits	3		
ACGIH TWA (mg/m ³)	0.025 mg/m ³ respirable dust		
USA - OSHA - Occupational Exposure Limits			
OSHA PEL (TWA) (mg/m ³)	0.05 mg/m ³ respirable dust		
Phenolic Resin (108-95-2)			
No additional information available			
graphite (7782-42-5)			
USA - ACGIH - Occupational Exposure Limits	\$		
ACGIH TWA (mg/m ³)	2 mg/m ³ (Respirable fraction)		
Wax, Bulk Liquid			
No additional information available			
8.2. Appropriate engineering controls			
Appropriate engineering controls .3. Individual protection measures/Persor	: Dust when sawing or tear out. Provide adequate ventilation to minimize dust concentrations.		
lo additional information available			
SECTION 9: Physical and chemical pro	operties		
.1. Information on basic physical and che	mical properties		
Physical state	: Solid		
Appearance	: Solid in various shapes.		
Color	: Black		
Odor	: Resin Odor		
Odor threshold	: No data available		
pH	: No data available		
Melting point	: > 2500 °F		
Freezing point	: No data available		
Boiling point	: No data available		
Flash point	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability (solid, gas)	: No data available		
Vapor pressure	: No data available		
Relative vapor density at 20 °C	: No data available		
Relative density	: 2.85 – 2.95		
Solubility	: No data available		
Partition coefficient n-octanol/water (Log Pow)	: No data available		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosion limits	: No data available		
Explosive properties	: No data available		
Oxidizing properties 0.2. Other information	: No data available		
No additional information available			
SECTION 10: Stability and reactivity			
10.1. Reactivity			
Reacts exothermically with water (moisture). Reacts	s with water to form Ca(OH)2, Mg(OH)2, and heat. Reacts with acids to form calcium salts while		
penerating heat.			

 10.2.
 Chemical stability

 No additional information available

 10.3.
 Possibility of hazardous reactions

 No additional information available

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0.4. Conditions to avoid				
Water, humidity. 10.5. Incompatible materials				
Acids.				
10.6. Hazardous decomposition products				
	de. Carbon dioxide. The phenolic resin binder may undergo incomplete combustion when this note is as follows: (1) to apprise the customer/user of the potential for incomplete combustion,			
	uced by incomplete combustion by poor air handling practices may exceed TLV's for specific air			
contaminates. The specific chemical compounds wit	ch may be produced include but are not limited to: carbon monoxide, formaldehyde, phenol,			
alcohols, glycols, and other solvents.				
SECTION 11: Toxicological information				
11.1. Information on toxicological effects				
Acute toxicity (oral) Acute toxicity (dermal)	Not classified			
Acute toxicity (inhalation)	Not classified			
Magnesium Oxide (1309-48-4)				
LD50 oral rat	> 5000 mg/kg (Rat, Literature study, Oral)			
LD50 dermal rabbit	> 2000 mg/kg body weight (Rabbit, Literature study, Dermal)			
calcium oxide (1305-78-8)				
LD50 oral rat	> 2000 mg/kg body weight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat,			
	Female, Experimental value, Oral)			
LD50 dermal rabbit	> 2500 mg/kg body weight (EU Method B.3: Acute toxicity (dermal), 24 h, Rabbit, Male /			
	female, Experimental value, Dermal)			
graphite (7782-42-5)				
LD50 oral rat	> 2000 mg/kg (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female,			
	Experimental value, Oral)			
LC50 Inhalation - Rat	> 2000 mg/m ³ air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust))			
Skin corrosion/irritation	Causes severe skin burns.			
Serious eye damage/irritation	Assumed to cause serious eye damage			
Respiratory or skin sensitization Germ cell mutagenicity	Not classified			
Carcinogenicity	May cause cancer (Dust when sawing or tear out, Inhalation).			
Phenolic Resin (108-95-2)				
IARC group	3 - Not classifiable			
Reproductive toxicity	Not classified			
STOT-single exposure	Not classified			
STOT-repeated exposure Aspiration hazard	Not classified			
Viscosity, kinematic	No data available			
Symptoms/effects after skin contact	May cause moderate irritation.			
	Causes serious eye irritation.			
SECTION 12: Ecological information				
12.1. Toxicity				
calcium oxide (1305-78-8)				
LC50 fish 1	≥ 1070 mg/l (Equivalent or similar to OECD 203, 96 h, Cyprinus carpio, Static system, Fresh water, Experimental value, Nominal concentration)			
EC50 Daphnia 1	≥ 159.6 mg/l (EPA OPP 72-2, 24 h, Crustacea, Static system, Fresh water, Experimental value, Lethal)			
graphite (7782-42-5)				
LC50 fish 1	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh			
	water, Experimental value, Lethal)			
EC50 Daphnia 1	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Behaviour)			
12.2. Persistence and degradability				
Magnesium Oxide (1309-48-4)				
Persistence and degradability Not applicable.				
Chemical oxygen demand (COD)	Not applicable			
ThOD	Not applicable			
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calcium oxide (1305-78-8)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD) Not applicable (inorganic)		
ThOD	Not applicable (inorganic)	
cristobalite (14464-46-1)		
Persistence and degradability	Mineral. Not applicable.	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
graphite (7782-42-5)		
Persistence and degradability	Biodegradability: not applicable.	
Biochemical oxygen demand (BOD)	Not applicable	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
3. Bioaccumulative potential		
Magnesium Oxide (1309-48-4)		
Bioaccumulative potential	No bioaccumulation data available.	
calcium oxide (1305-78-8)		
Bioaccumulative potential	Not bioaccumulative.	
cristobalite (14464-46-1)		
Bioaccumulative potential	No data available.	
graphite (7782-42-5)		
Bioaccumulative potential	No bioaccumulation data available.	
4. Mobility in soil		
Magnesium Oxide (1309-48-4)		
Ecology - soil	No data available.	
calcium oxide (1305-78-8)		
Ecology - soil	No (test) data on mobility of the substance available.	
cristobalite (14464-46-1)		
Ecology - soil	No data available.	
5. Other adverse effects additional information available		
ECTION 13: Disposal consideration	ons	
1. Disposal methods		
additional information available		
ECTION 14: Transport information	n	
epartment of Transportation (DOT) accordance with DOT		
Not regulated Transportation of Dangerous Goods		
lot regulated		
ransport by sea		
ot regulated		

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SECTION 15: Regulatory infor	mation			
15.1. US Federal regulations				
RDG-DOL (Mixture)	RDG-DOL (Mixture)			
Not listed on the United States TSCA	(Toxic Sub	stances Control Act) inventory		
Note	This infor	mation must be included in all SDS's that are copied	and distributed for this material.	
All components of this product are list Substances Control Act (TSCA) inver		uded from listing, on the United States Environmenta for:	al Protection Agency Toxic	
Wax, Bulk Liquid	CAS-No.		1 – 5%	
Phenolic Resin (108-95-2)				
Subject to reporting requirements of L Listed on EPA Hazardous Air Pollutar		es SARA Section 313		
CERCLA RQ		1000 lb		
RQ (Reportable quantity, section 304 List of Lists)	of EPA's	1000 lb		
SARA Section 302 Threshold Plannin Quantity (TPQ)	ıg	10000 lb 500lb if the substance is solid in powder microns, or is in solution or molten form	form with particle size less than 100	
15.2. International regulations CANADA		·		
Magnesium Oxide (1309-48-4)				
Listed on the Canadian DSL (Domest	tic Substand	ces List)		
calcium oxide (1305-78-8)				
Listed on the Canadian DSL (Domestic Substances List)				
cristobalite (14464-46-1)				
Listed on the Canadian DSL (Domestic Substances List)				
Phenolic Resin (108-95-2)				
Listed on the Canadian DSL (Domestic Substances List)				
graphite (7782-42-5)				
Listed on the Canadian DSL (Domestic Substances List)				
EU-Regulations				
No additional information available National regulations				
No additional information available				
15.3. US State regulations				

15.3. US State regulations

RDG-DOL (MIXture)		
U.S California - Proposition 65 - Other This product contains crystalline silica, a chemical known to the state of		s crystalline silica, a chemical known to the state of California to
information	cause cancer.For mo	pre information go to WWW.P65Warnings.ca.gov

cristobalite (14	464-46-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		
Component			State or local regulations	8	
Magnesium Oxide (1309-48-4)		U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List			
calcium oxide (1305-78-8)		U.S New Jersey - Right to Know Hazardous Substance List			
Cristobalite (14464-46-1)			ght To Know List; U.S New Je ; U.S Pennsylvania - RTK (Ri		
Phenolic Resin (108-95-2)		U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List			
Graphite (7782-42-5)			ght To Know List; U.S New Je ; U.S Pennsylvania - RTK (Ri		

SECTION 16: Other information according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 06/04/2021

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Full text of H-phrases:

	H314	Causes severe skin burns and eye damage		
	H350	May cause cancer		
ene i	SDS LIS (CHS HarCom 2012)			

SDS US (GHS HazCom 2012) This information and recommendations set forth herein are taken from sources believed to be accurate as of the date herein, however, Resco Products, Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.