

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 7/10/2023 Revision date: 7/10/2023 Supersedes: 1/12/2021

Magnesia-Carbon Brick	& Canada 1-800-42	24-9300
Magnesia-Carbon Brick	& Canada 1-800-4:	24-9300
Magnesia-Carbon Brick	& Canada 1-800-42	24-9300
Magnesia-Carbon Brick	& Canada 1-800-42	24-9300
Magnesia-Carbon Brick	& Canada 1-800-42	24-9300
ONLY (CHEMTREC) USA a Canada +1 703-741-5970	& Canada 1-800-42	24-9300
ONLY (CHEMTREC) USA a Canada +1 703-741-5970	& Canada 1-800-42	24-9300
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Canada +1 703-741-5970	& Canada 1-800-4	24-9300
Canada +1 703-741-5970	& Canada 1-800-42	24-9300
11245		
11045		
H320 Causes ey	e irritation	on.
its		
eye irritation		
	othing/eye protect	ion/face protection.
Product identifier	%	GHS-US classification
CAS-No.: 1309-48-4		Not classified
		Not classified
		Not classified Not classified
0.0-110 1423-30-0	1-5	
bing by mouth to an uncon		ou feel upwell, sook modical ad
	H320 Causes ey H335 May cause hts skin irritation. eye irritation use respiratory irritation. rotective gloves/protective close Description CAS-No.: 1309-48-4 CAS-No.: 1309-48-4 CAS-No.: 1309-48-4 CAS-No.: 108-95-2 CAS-No.: 7429-90-5	H320 Causes eye irritation H335 May cause respiratory irritation hts skin irritation. eye irritation use respiratory irritation. rotective gloves/protective clothing/eye protect cotective gloves/protective clothing/eye protect

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Dust when sawing or tear out. Remove the victim into fresh air. First-aid measures after inhalation ÷ 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. First-aid measures after ingestion Rinse mouth with water. Do not induce vomiting. 4.2. Most important symptoms and effects (acute and delayed) No additional information available. Most Important Symptoms/Effects 4.3. Immediate medical attention and special treatment, if necessary No additional information available **SECTION 5: Fire-fighting measures** 5.1. Suitable (and unsuitable) extinguishing media Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Unsuitable extinguishing media No unsuitable extinguishing media known. 5.2. Specific hazards arising from the chemical Fire hazard : Non-flammable. Do not breathe fumes from fires or vapours from decomposition. 5.3. Special protective equipment and precautions for fire-fighters **Firefighting instructions** Exercise caution when fighting any chemical fire. Protection during firefighting Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. 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. The phenolic resin binder may undergo incomplete combustion when temperature is applied to this product. The intent of this note is as follows: (1) to apprise the customer/user of the potential for incomplete combustion, and (2) to advise that the chemical compounds produced by incomplete combustion by poor air handling practices may exceed TLV's for specific air contaminates. The specific chemical compounds witch may be produced include but are not limited to: carbon monoxide, formaldehyde, phenol, alcohols, glycols, and other solvents. **SECTION 6: Accidental release measures** 6.1. Personal precautions, protective equipment and emergency procedures 6.1.1. For non-emergency personnel Safety glasses. Protective gloves. Safety shoes. Protective equipment Emergency procedures Avoid contact with skin and eyes. 6.1.2. For emergency responders Protective equipment Equip cleanup crew with proper protection. · Collect spillage. On land, sweep or shovel into suitable containers. Emergency procedures **6.2. Environmental precautions** No additional information available 6.3. Methods and material for containment and cleaning up For containment Collect spillage. : Mechanically recover the product Methods for cleaning up 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 skin and eyes. Hygiene measures Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. 7.2. Conditions for safe storage, including any incompatibilities Store this product in a dry location where it can be protected from the elements. Storage conditions Incompatible products Strong acids. Incompatible materials Oxidizing agents and strong acids. **SECTION 8: Exposure controls/personal protection** 8.1. Control parameters Nuline R-20 A (Mixture)

No additional information available

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10 mg/m <sup>3</sup> inhalable dust
10 mg/m <sup>3</sup> respirable dust
2 mg/m <sup>3</sup> (Respirable fraction)
1 mg/m <sup>3</sup> (Respirable fraction)
Dust when sawing or tear out. Provide adequate ventilation to minimize dust concentrations.
protective equipment
erties
cal properties Solid
Solid in various shapes. Black Resin Odor No data available No data available > 2800 °F No data available No data available

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Oxidising properties :	No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
Strong acids.	
apprise the customer/user of the potential for incomplete	bustion when temperature is applied to this product. The intent of this note is as follows: (1) to e combustion, and (2) to advise that the chemical compounds produced by incomplete TLV's for specific air contaminates. The specific chemical compounds witch may be produced lehyde, phenol, alcohols, glycols, and other solvents.
SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
	Not classified
	Not classified Not classified
Magnesium Oxide (1309-48-4)	
LD50 oral rat	> 5000 mg/kg (Rat, Literature study, Oral)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Rabbit, Literature study, 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 <sup>3</sup> air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust))
Skin corrosion/irritation :	Causes skin irritation.
Magnesium Oxide (1309-48-4)	
рН	11 (10 %)
graphite (7782-42-5)	
рН	7 (1.3 %)
Serious eye damage/irritation :	Causes eye irritation.
Magnesium Oxide (1309-48-4)	
рН	11 (10 %)
graphite (7782-42-5)	
рН	7 (1.3 %)
	Not classified
Germ cell mutagenicity :	Not classified
	Not classified
Phenolic Resin (108-95-2)	
IARC group	3 - Not classifiable
	Not classified
STOT-single exposure :	May cause respiratory irritation.

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STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Magnesium Oxide (1309-48-4)	
Viscosity, kinematic	Not applicable (solid)
Most Important Symptoms/Effects	: No additional information available.
SECTION 12: Ecological information	
12.1. Toxicity	
graphite (7782-42-5) LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water,
	<ul> <li>&gt; 100 mg/l (OECD 203. Fish, Acute Toxicity Test, 96 h, Danio Teno, Static system, Fresh water, Experimental value, Lethal)</li> <li>&gt; 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static</li> </ul>
EC50 - Crustacea [1]	system, Fresh water, Experimental value, Behaviour)
EC50 72h - Algae [1]	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static
EC50 72h - Algae [2]	<ul> <li>system, Fresh water, Experimental value, Growth rate)</li> <li>&gt; 100 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)</li> </ul>
12.2. Persistence and degradability	
Magnesium Oxide (1309-48-4)	
Persistence and degradability	Not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
graphite (7782-42-5)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
Aluminum - metal powder (7429-90-5)	
Persistence and degradability	Biodegradability in soil: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
12.3. Bioaccumulative potential	
Magnesium Oxide (1309-48-4)	
Bioaccumulative potential	No bioaccumulation data available.
graphite (7782-42-5)	
Bioaccumulative potential	Not bioaccumulative.
Aluminum - metal powder (7429-90-5)	
Bioaccumulative potential	No test data of component(s) available.
12.4. Mobility in soil	
Magnesium Oxide (1309-48-4)	
Surface tension	No data available in the literature
Ecology - soil	No data available.
Aluminum - metal powder (7429-90-5)	
Ecology - soil	Contains component(s) that adsorb(s) into the soil.
12.5. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Disposal methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
SECTION 14: Transport information	
In accordance with DOT / TDG / IMDG / IATA Department of Transportation (DOT) In accordance with DOT Not regulated Transportation of Dangerous Goods Not regulated Transport by sea	
Not regulated	

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Air transport Not regulated	
SECTION 15: Regulatory information	
15.1. US Federal regulations	
Nuline R-20 A (Mixture)	
Note	This information must be included in all SDS's that are copied and distributed for this material.
All components of this product are present and listed a (TSCA) inventory, except for:	as Active on the United States Environmental Protection Agency Toxic Substances Control Act
Aluminum - metal powder	CAS-No. 7429-90-5 1 – 5%
Phenolic Resin (108-95-2)	
Subject to reporting requirements of United States SAF	RA Section 313
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	1000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	10000 lb 500lb if the substance is solid in powder form with particle size less than 100 microns or is in solution or molten form
15.2. International regulations	
CANADA	
Magnesium Oxide (1309-48-4)	
Listed on the Canadian DSL (Domestic Substances List	st)
graphite (7782-42-5) Listed on the Canadian DSL (Domestic Substances Lis	et)
	5()
Phenolic Resin (108-95-2)	
Listed on the Canadian DSL (Domestic Substances Lis	st)
EU-Regulations No additional information available	
No additional information available National regulations	
No additional information available	
15.3. US State regulations	
Component	State or local regulations
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
Graphite (7782-42-5)	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
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
SECTION 16: Other information	
according to Federal Register / Vol. 77, No. 58 / Monda	iy, March 26, 2012 / Rules and Regulations
Revision date :	7/10/2023
Other information :	Report language name. English. In the event of any conflict between the English and other language versions, the English version shall prevail.
Full text of H-statements	
H315 Causes skin irritation.	
H320 Causes eye irritation	

H320Causes eye irritationH335May cause respiratory irritation.

Safety Data Sheet (SDS), USA

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.