

**GRATE COATING 1775 --**

**Section 1. Supplier Information**



**General Chemical Corp.**

12336 Emerson Drive  
Brighton, MI 48116  
(248) 587-5600

**Emergency Telephone: 1-800-424-9300**

**Section 2. Hazardous Ingredients**

<u>Hazardous Component(s)</u>	<u>CAS #</u>	<u>PEL TWA</u>	<u>PEL Ceiling</u>	<u>TLV TWA</u>	<u>TLV STEL</u>	<u>MFG Limits</u>	<u>WGT %</u>
Calcium carbonate	1317-65-3	5 mg/m3	N/E	10 mg/m3	N/E	N/E	35 - 45

N/A = Not Applicable; N/E = Not Established; \* = Mists; # = Skin; ' = Respirable Dust; " = Total Dust; ^ = Vapor; \*\* = Fumes; C = Ceiling Limit

All components of this product are listed on the Toxic Substances Control Act (TSCA) Inventory and the Canadian Domestic Substances List (DSL), or are exempt from the listing.

**Section 3. Hazards Identification**

**Primary Routes of Entry**

Inhalation: YES  
Skin: YES  
Ingestion: NO

**Hazardous Materials Information System (HMIS) Ratings**

Health: \* 1  
Fire: 0  
Reactivity: 0  
0 = Minimal  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe  
\* = Chronic Hazard

**Signs of Symptoms of Exposure:**

INHALATION: No effects of exposure expected. At very high concentrations only, this product may cause headache, nose and throat irritation, nausea and/or mental confusion.

SKIN: Prolonged or repeated contact can cause irritation.

EYES: Minimally irritating to the eyes. High vapor concentrations may be irritating.

INGESTION: May dull senses and cause injury if significant quantities are ingested.

**Chemical Listed as Potential Carcinogens:**

NTP: NO

IARC: NO

OSHA: NO

Target Organs: Skin and respiratory system.

**Section 4. Emergency And First Aid Procedures**

INHALATION: If adverse effects such as dizziness, nausea, or irritation are noted, move person to fresh air. If not breathing, give artificial respiration. Get medical attention!

SKIN: Immediately wash skin with large amounts of soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing.

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**GRATE COATING 1775 --**

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**EYES:** Flush eyes immediately with water for at least 15 minutes. If irritation persists, call a physician.

**INGESTION:** If swallowed, dilute with water. Never give fluids if the victim is unconscious or having convulsions. Contact a physician immediately!

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**Section 5. Fire Fighting Measures**

Flash Point: None to boiling. Method Used: Pensky-Martens Closed Cup

Flammable Limits in Air % by Volume: LEL: N/E UEL: N/E

Extinguisher Media: Water fog, foam, dry chemical, or carbon dioxide.

Special Fire Fighting Procedures: Wear a self-contained breathing apparatus when fighting fire in an enclosed area.

Unusual Fire And Explosion Hazards: Product may spatter if temperature exceeds 212 °F. Dried solids can burn, producing carbon monoxide and carbon dioxide.

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**Section 6. Accidental Release Measures**

If case of spill, sweep, scoop, or vacuum up spilled material for recovery or disposal. Avoiding creating dusty conditions and inhalation of dust. Use good ventilation. Wetting the spill with water spray may help to keep the airborne dust levels down.

CERCLA (Superfund) Reportable Quantity (in lbs None in attainable quantities.

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**Section 7. Handling and Storage**

Handling: Avoid contact with skin and eyes; wash thoroughly after handling. Avoid breathing vapor; use with adequate ventilation.

Storage: KEEP FROM FREEZING! Store in a dry location at room temperature. Keep container closed and maintain all original markings and labels. Do not use aluminum or galvanized steel for storage, pumping or transfer.

Other: CAUTION! Do not use cutting or welding torches on containers, even when empty. Containers, even those that have been emptied, will retain product residue and vapors. Do not reuse container without recycling or reconditioning. Handle empty containers as if they were full.

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**Section 8. Exposure Controls and Personal Protection**

Respiratory Protection: Not required under normal conditions of use.

Local Exhaust: None normally required. Local exhaust may be needed under special circumstances such as poorly ventilated areas, evaporation from large surfaces, spraying, heating, etc.

Mechanical Exhaust: Mechanical ventilation should be sufficient to maintain exposure levels below exposure limits.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses with side shields. Do NOT wear contact lenses. Chemical goggles and/or faceshield should be worn where splashing is possible.

Other Protection: Eye wash and safety shower should be readily available.

Hygienic Practices: Avoid contact with skin and avoid breathing vapors or mist. Do not eat, drink, or smoke while using this product. Wash up prior to eating, drinking, or using the restroom.

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**GRATE COATING 1775 --**

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**Section 9. Physical and Chemical Properties**

Boiling Point:	212 ° F	Degree of water solubility:
Specific Gravity (H <sub>2</sub> O=1):	1.33-1.34	Negligible = Less than 0.1%
Vapor Pressure (mm Hg):	Similar to water.	Slight = 0.1% - 1%
Vapor Density (air=1)	Similar to water.	Moderate = 1% - 10%
Solubility in Water:	Complete.	Appreciable = More than 10%
Reactivity in Water:	None.	Complete = 100%
Weight per Gallon (lb/gal):	11.1 - 11.2 lbs/gal	
% Volatile by Volume:	54-56%	
% Solid by Weight:	44-46%	
Appearance and Odor:	White paint with an ammonia odor.	
Theoretical VOC: (>0.1 mm Hg @ 20 ° C)	0 lbs/gal	
Analytical VOC : (EPA method 24)	< 0.3 lbs/gal	
pH:	8.5 - 9.5	

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**Section 10. Stability and Reactivity**

Stability: Stable. Hazard Polymerization: Will not occur.  
Conditions to Avoid: Excessive heat or open flames.  
Incompatibility (Materials to Avoid): Strong acids and bases.  
Hazardous Decomposition Products: Oxides of carbon.

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**Section 11. Toxicological Information**

Calcium Carbonate [CASRN 001317-65-3]

ACUTE TOXICITY Oral LD50 (rat) = 6450 mg/kg \*

INHALATION: Breathing dust may aggravate pre-existing respiratory conditions.

SKIN: Moderate irritant. \*

EYES: Severe irritant. \*

\* - Dangerous Properties of Industrial Materials, 7th ed. p.677, Sax and Lewis 1989. [4,2-18-022398]

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**Section 12. Ecological Information**

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**Section 13. Disposal Considerations**

Waste Disposal Methods (Federal, State, Local):  
In accordance with all federal, state and local requirements.

RCRA Hazardous Waste Number: N/A

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**Section 14. Transport Information**

Hazardous Material Description:

(Proper shipping name, hazard class, hazard ID#, packing group)

Domestic ground non-bulk: NOT REGULATED

**GRATE COATING 1775 --**

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Domestic ground bulk: NOT REGULATED  
International: NOT REGULATED

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**Section 15. Regulatory Information**

SARA 313 Information This product contains the following chemical(s) above de minimis concentrations and may be subject to reporting under section 313:  
None.

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**Section 16. Other Information**

This MSDS contains revisions in the following sections: New product

Prepared by: Andrew J. Thomas Chemist

Revised by:

The development of this Material Safety Data Sheet (MSDS) relies upon information provided to us by each of our raw material suppliers. This MSDS will be updated as changes occur to their MSDS(s). We believe the recommendations and technical information contained herein to be accurate. However, they are given without warranty or guarantee, expressed or implied, and we assume no responsibility for losses or damage, direct or indirect, as a result of their use.